Index to Volume 118

Author index*

A

Abbate C (*see* Higgins et al). 2006;118:504-10
Adams RJ (*see* Appleton et al). 2006;118:1284-91
Adcock IM (*see* Vasavda et al). 2006;118:1090-6
Adinoff AD (*see* Meltzer et al). 2006;118:S17-61
Ådjers K (*see* Pessi et al). 2006;118:284-6 (Letters to the editor)
Adner M (*see* Benson et al). 2006;118:220-5
Affleck K (*see* Vasavda et al). 2006;118:1090-6
Agarwal R, Gupta D. Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities. 2006;118:969-70 (Correspondence)
Ahmed P (*see* Jaakkola et al). 2006;118:823-30
Ahrens B (*see* Gerhold et al). 2006;118:666-73
Ahrens R (*see* Hogan et al). 2006;118:257-68
Akamatsu K (*see* Matsunaga et al). 2006;118:84-90
Akan G (*see* Uekert et al). 2006;118:1375-81
Akdis CA, Akdis M, Bieber T, Bindslev-Jensen C, Boguniewicz M, Eigenmann P, Hamid Q, Kapp A, Leung DYM, Lipozencic J, Luger TA, Muraro A, Novak N, Platts-Mills TAE, Rosenwasser L, Scheynius A, R. Simons FE, Spergel J, Turjanmaa K, Wahn U, Weidinger S, Werfel T, Zuberbier T. Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report. 2006;118:152-69 (PRACTALL Consensus Report)
Akdis M (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Akei HS, Brandt EB, Mishra A, Strait RT, Finkelman FD, Warrier MR, Hershey GKK, Blanchard C, Rothenberg ME. Epicutaneous aeroallergen exposure induces systemic T_H2 immunity that predisposes to allergic nasal responses. 2006;118:62-9
Akkerdaas J (*see* Vassilopoulou et al). 2006;118:473-80
Akkerdaas JH (*see* Flinterman et al). 2006;118:1186-9
Alinger B (*see* Bauer et al). 2006;118:269-76
Alinger B (*see* Gabler et al). 2006;118:734-41
Allakhverdi Z, Fitzpatrick D, Boisvert A, Baba N, Bouguermouh S, Sarfati M, Delespesse G. Expression of CD103 identifies human regulatory T-cell subsets. 2006;118:1342-9
Allen DB (*see* Uekert et al). 2006;118:1375-81
Allen MB (*see* Grinnan et al). 2006;118:1234-41
Allen R (*see* Zuberbier et al). 2006;118:226-32
Allen SJ (*see* Nassenstein et al). 2006;118:597-605
Almqvist C (*see* Marks et al). 2006;118:53-61
Alter M (*see* Bohle et al). 2006;118:242-9
Ameille J (*see* Bousquet et al). 2006;118:447-54
Ammann H (*see* Shoemaker et al). 2006;118:764-6 (Correspondence)
Ampon RD (*see* Marks et al). 2006;118:53-61
Anderson E (*see* Uekert et al). 2006;118:1375-81
Anderson WH (*see* Bleecker et al). 2006;118:809-16
Andersson B (*see* Benson et al). 2006;118:220-5
Andre C (*see* Mahakittikun et al). 2006;118:1164-8
Andrews A-L, Nasir T, Bucchieri F, Holloway JW, Holgate ST, Davies DE. IL-13 receptor α 2: A regulator of IL-13 and IL-4 signal transduction in primary human fibroblasts. 2006;118:858-65
Annesi-Maesano I (*see* Bousquet et al). 2006;118:447-54
Annunziato F (*see* Filì et al). 2006;118:511-7
Anthonisen NR (*see* McCoy et al). 2006;118:1226-33
Antó J (*see* Svanes et al). 2006;118:691-8
Anto JM (*see* Torrent et al). 2006;118:742-8
Antonia YD (*see* Bohle et al). 2006;118:242-9
Antunez C (*see* Rodriguez-Pena et al). 2006;118:949-56
Appleton SL, Adams RJ, Wilson DH, Taylor AW, Ruffin RE. Central obesity is associated with nonatopic but not atopic asthma in a representative population sample. 2006;118:1284-91
Arbes SJ Jr (*see* Salo et al). 2006;118:892-8
Arbes SJ, Sever ML, Vaughn B, Cohen EA, Zeldin DC. Oral pathogens and allergic disease: Results from the Third National Health and Nutrition Examination Survey. 2006;118:1169-75
Ardern-Jones MR (*see* Louise Bateman et al). 2006;118:1350-6
Argade A (*see* Rossi et al). 2006;118:749-55
Arima K (*see* Takayama et al). 2006;118:98-104
Aronni S (*see* Sacchetti et al). 2006;118:872-7
Artis D (*see* Hogan et al). 2006;118:257-68
Asero R (*see* Fernández-Rivas et al). 2006;118:481-8
Assa'ad AH (*see* Stein et al). 2006;118:1312-19
Astier C, Morisset M, Roitel O, Codreanu F, Jacquenet S, Franck P, Ogier V, Petit N, Proust B, Moneret-Vautrin D-A, Burks AW, Bihain B, Sampson HA, Kanny G. Predictive value of skin prick tests using recombinant allergens for diagnosis of peanut allergy. 2006;118:250-6
Atkinson JP (*see* Frank and Atkinson). 2006;118:1327-9 (Editorial)
Avagyan A (*see* Blumchen et al). 2006;118:615-21
Avagyan A (*see* Gerhold et al). 2006;118:666-73
Avila PC (*see* Tsai et al). 2006;118:1242-8

B

Baatenburg de Jong A, Brouwer AFJ, Roorda RJ, Brand PLP. Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids. 2006;118:280-2 (Letters to the editor)

*July, pp. 1-292; August, pp. 293-540; September, pp. 541-770; October, part 1, pp.771-982; part 2, pp. S1-S16; November, part 1, pp. 983-1196; part 2, pp. S17-S62; December, pp. 1197-1454.

Baba N (*see* Allakhverdi et al). 2006;118:1342-9
Bachelet I (*see* Munitz et al). 2006;118:1082-9
Bachert C (*see* Ebbens et al). 2006;118:1149-56
Bachert C (*see* Gevaert et al). 2006;118:1133-41
Bachert C (*see* Meltzer et al). 2006;118:S17-61
Backer V (*see* Khoo et al). 2006;118:627-34
Bacsi A, Choudhury BK, Dharajiya N, Sur S, Boldogh I. Subpollen particles: Carriers of allergenic proteins and oxidases. 2006;118:844-50
Badia L (*see* Ebbens et al). 2006;118:1149-56
Baitinger LA (*see* Bleecker et al). 2006;118:809-16
Ballas ZK (*see* Cac and Ballas). 2006;118:526-8 (Letters to the editor)
Ballow M. Biologic immune modifiers: Trials and tribulations—are we there yet? 2006;118:1209-15 (Review)
Baltadjieva D (*see* Barnes et al). 2006;118:70-7
Bannon GA (*see* Thottingal et al). 2006;118:905-14
Baraldi E (*see* Carraro et al). 2006;118:958-60 (Letters to the editor)
Baramki D (*see* Steinke et al). 2006;118:963-5 (Letters to the editor)
Baramki DF (*see* Steinke et al). 2006;118:756-8 (Letters to the editor)
Barnes KC, Grant A, Gao P, Baltadjieva D, Berg T, Chi P, Zhang S, Zambelli-Weiner A, Ehrlich E, Zardkoohi O, Brummet ME, Stockton M, Watkins T, Gao L, Gittens M, Wills-Karp M, Cheadle C, Beck LA, Beaty TH, Becker KG, Garcia JGN, Mathias RA. Polymorphisms in the novel gene acyloxyacyl hydroxylase (*AOAH*) are associated with asthma and associated phenotypes. 2006;118:70-7
Barnes PJ (*see* Montuschi et al). 2006;118:347-53
Barnes PJ (*see* Vasavda et al). 2006;118:1090-6
Baron JM (*see* Neis et al). 2006;118:930-7
Bauer R, Scheiblhofer S, Kern K, Gruber C, Stepanoska T, Thalhamer T, Hauser-Kronberger C, Alinger B, Zoegg T, Gabler M, Ferreira F, Hartl A, Thalhamer J, Weiss R. Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy. 2006;118:269-76
Baurecht H (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Baurecht H (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)
Baynam G (*see* Khoo et al). 2006;118:627-34
Beaty TH (*see* Barnes et al). 2006;118:70-7
Beck LA (*see* Barnes et al). 2006;118:70-7
Beck LA (*see* McGirt and Beck). 2006;118:202-8
Becker KG (*see* Barnes et al). 2006;118:70-7
Beckman K (*see* Tsai et al). 2006;118:1242-8
Bedada GB (*see* Heinrich et al). 2006;118:674-81
Behrendt A-K (*see* Polte et al). 2006;118:942-8
Behrendt H (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Behrendt H (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)
Belousova EG (*see* Marks et al). 2006;118:53-61
Bender BG, Pedan A, Varasteh LT. Adherence and persistence with fluticasone propionate/salmeterol combination therapy. 2006;118:899-904
Benessiano J (*see* Leynaert et al). 2006;118:658-65
Benson M, Langston MA, Adner M, Andersson B, Torinssson-Naluai Å, Cardell LO. A network-based analysis of the late-phase reaction of the skin. 2006;118:220-5
Berbiche D (*see* Marceau et al). 2006;118:574-81
Berg T (*see* Barnes et al). 2006;118:70-7
Bergström A (*see* Kull et al). 2006;118:1299-304
Bernstein D (*see* Malo et al). 2006;118:530-3 (Letters to the editor)
Bernstein DI (*see* Campo et al). 2006;118:1271-8
Berry N (*see* Wu et al). 2006;118:233-41
Besler T (*see* Ercan et al). 2006;118:1097-104
Beyer K (*see* Mehl et al). 2006;118:923-9
Bieber T (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Bieber T (*see* Neis et al). 2006;118:930-7
Biemelt S (*see* Le et al). 2006;118:1176-83
Biemelt S (*see* Lorenz et al). 2006;118:711-8
Bihain B (*see* Astier et al). 2006;118:250-6
Bindslev-Jensen C (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Birben E (*see* Ercan et al). 2006;118:1097-104
Black JL (*see* Burgess et al). 2006;118:649-57
Blais L (*see* Marceau et al). 2006;118:574-81
Blanca M (*see* Rodriguez-Pena et al). 2006;118:949-56
Blanch A, Roche O, Urrutia I, Gamboa P, Fontán G, López-Trascasa M. First case of homozygous C1 inhibitor deficiency. 2006;118:1330-5
Blanchard C (*see* Akei et al). 2006;118:62-9
Blanchard C (*see* Hogan et al). 2006;118:257-68
Blanchard C, Wang N, Rothenberg ME. Eosinophilic esophagitis: Pathogenesis, genetics, and therapy. 2006;118:1054-9
Blanco C (*see* Sánchez-Monge et al). 2006;118:705-10
Blanquer J (*see* García-Laorden et al). 2006;118:1383-5 (Letters to the editor)
Bleecker ER, Yancey SW, Baitinger LA, Edwards LD, Klotsman M, Anderson WH, Dorinsky PM. Salmeterol response is not affected by β_2-adrenergic receptor genotype in subjects with persistent asthma. 2006;118:809-16
Blumchen K (*see* Gerhold et al). 2006;118:666-73
Blumchen K, Gerhold K, Schwede M, Niggemann B, Avagyan A, Dittrich A-M, Wagner B, Breiteneder H, Hamelmann E. Effects of established allergen sensitization on immune and airway responses after secondary allergen sensitization. 2006;118:615-21
Bochner BS. Understanding the ingenuity of chemokines and their receptors. 2006;118:321-3 (Editorial)
Böckenhoff A (*see* Bussmann et al). 2006;118:1292-8
Bogdanovic J, Koets M, Sander I, Wouters I, Meijster T, Heederik D, van Amerongen A, Doekes G. Rapid detection of fungal α-amylase in the work environment with a lateral flow immunoassay. 2006;118:1157-63

Boguniewicz M (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Boguniewicz M, Schmid-Grendelmeier P, Leung DYM. Atopic dermatitis. 2006;118:40-3 (Clinical pearls)
Bohle B (*see* Fernández-Rivas et al). 2006;118:481-8
Bohle B, Zwölfer B, Heratizadeh A, Jahn-Schmid B, Antonia YD, Alter M, Keller W, Zuidmeer L, van Ree R, Werfel T, Ebner C. Cooking birch pollen–related food: Divergent consequences for IgE- and T cell–mediated reactivity *in vitro* and *in vivo*. 2006;118:242-9
Boisvert A (*see* Allakhverdi et al). 2006;118:1342-9
Boitano JJ (*see* Mahakittikun et al). 2006;118:1164-8
Boldogh I (*see* Bacsi et al). 2006;118:844-50
Bolhaar S (*see* Fernández-Rivas et al). 2006;118:481-8
Bonanno A (*see* Profita et al). 2006;118:1068-74
Bonetto G (*see* Carraro et al). 2006;118:958-60 (Letters to the editor)
Bonilla FA (*see* McDonald et al). 2006;118:1357-62
Bonini S (*see* Sacchetti et al). 2006;118:872-7
Bonsignore G (*see* Profita et al). 2006;118:1068-74
Borderías L (*see* García-Laorden et al). 2006;118:1383-5 (Letters to the editor)
Borish L (*see* Meltzer et al). 2006;118:S17-61
Borish L (*see* Steinke et al). 2006;118:756-8 (Letters to the editor)
Borish L (*see* Steinke et al). 2006;118:963-5 (Letters to the editor)
Bosio A (*see* Neis et al). 2006;118:930-7
Bouguermouh S (*see* Allakhverdi et al). 2006;118:1342-9
Bousquet J (*see* Profita et al). 2006;118:1068-74
Bousquet J, Flahault A, Vandenplas O, Ameille J, Duron J-J, Pecquet C, Chevrie K, Annesi-Maesano I. Natural rubber latex allergy among health care workers: A systematic review of the evidence. 2006;118:447-54
Boustany S (*see* Burgess et al). 2006;118:649-57
Bowkett E (*see* Wu et al). 2006;118:233-41
Boyce JA. Asthma 2005-2006: Bench to bedside. 2006;118:582-6
Brand PLP (*see* Baatenburg de Jong et al). 2006;118:280-2 (Letters to the editor)
Brandt EB (*see* Akei et al). 2006;118:62-9
Brandt EB, Scribner TA, Saito Akei H, Rothenberg ME. Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens. 2006;118:420-7
Braselmann S (*see* Rossi et al). 2006;118:749-55
Bratke K (*see* Lommatzsch et al). 2006;118:91-7
Braun A (*see* Lommatzsch et al). 2006;118:91-7
Braun A (*see* Nassenstein et al). 2006;118:597-605
Braunstahl G-J (*see* KleinJan et al). 2006;118:1117-25
Breiteneder H (*see* Blumchen et al). 2006;118:615-21
Breiteneder H (*see* Fernández-Rivas et al). 2006;118:481-8
Britton J (*see* Flohr et al). 2006;118:1305-11
Britton J (*see* Khoo et al). 2006;118:627-34
Brombacher F (*see* Nieuwenhuizen et al). 2006;118:968-9 (Correspondence)
Brouwer AFJ (*see* Baatenburg de Jong et al). 2006;118:280-2 (Letters to the editor)
Brown D (*see* McDonald et al). 2006;118:1357-62
Bruijnzeel-Koomen CA (*see* Flinterman et al). 2006;118:1186-9
Brummet ME (*see* Barnes et al). 2006;118:70-7
Bucchieri F (*see* Andrews et al). 2006;118:858-65
Buckmeier BK (*see* Stein et al). 2006;118:1312-19
Bukstein D, Kraft M, Liu AH, Peters SP. Asthma end points and outcomes: What have we learned? 2006;118:S1-15
Bunnag C (*see* Mahakittikun et al). 2006;118:1164-8
Burchard EG (*see* Tsai et al). 2006;118:1242-8
Burgess JK, Oliver BGG, Poniris MH, Ge Q, Boustany S, Cox N, Moir LM, Johnson PRA, Black JL. A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro*. 2006;118:649-57
Burks AW (*see* Astier et al). 2006;118:250-6
Burks W (*see* Thottingal et al). 2006;118:905-14
Bush RK (*see* Wood and Bush). 2006;118:767-8 (Correspondence)
Busse WW (*see* Kessel et al). 2006;118:831-6
Bussmann C, Böckenhoff A, Henke H, Werfel T, Novak N. Does allergen specific immunotherapy represent a therapeutic option for patients with atopic dermatitis? 2006;118:1292-8

C

Cac NN, Ballas ZK. Recalcitrant warts, associated with natural killer cell dysfunction, treated with systemic IFN-α. 2006;118:526-8 (Letters to the editor)
Calhoun WJ (*see* Ogawa and Calhoun). 2006;118:789-98 (Review)
Campbell J (*see* Flohr et al). 2006;118:1305-11
Campo P, Kalra HK, Levin L, Reponen T, Olds R, Lummus ZL, Cho S-H, Hershey GK, Lockey J, Villareal M, Stanforth S, LeMasters G, Bernstein DI. Influence of dog ownership and high endotoxin on wheezing and atopy during infancy. 2006;118:1271-8
Cardell LO (*see* Benson et al). 2006;118:220-5
Cardesin A (*see* Ebbens et al). 2006;118:1149-56
Carpagnano E (*see* Profita et al). 2006;118:1068-74
Carpen O (*see* Malmström et al). 2006;118:591-6
Carraro S, Pasquale MF, Da Frè M, Rusconi F, Bonetto G, Zanconato S, Baraldi E. Swimming pool attendance and exhaled nitric oxide in children. 2006;118:958-60 (Letters to the editor)
Carrillo T (*see* Sánchez-Monge et al). 2006;118:705-10
Carvalho AL (*see* Cortes et al). 2006;118:878-84
Casal J (*see* Tsai et al). 2006;118:1242-8
Casanovas M (*see* García-Robaina et al). 2006;118:1026-32
Castro M (*see* McCoy et al). 2006;118:1226-33
Castro RA (*see* Tsai et al). 2006;118:1242-8
Chan RC-F, Wang M, Li N, Yanagawa Y, Onoé K, Lee JJ, Nel AE. Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation. 2006;118:455-65
Chang Y, Sénéchal S, de Nadai P, Chenivesse C, Gilet J, Vorng H, Legendre B, Tonnel A-B, Wallaert B, Lassalle P, Tsicopoulos A. Diesel exhaust exposure favors T_H2 cell recruitment in nonatopic subjects by differentially regulating chemokine production. 2006;118:354-60
Chapela R (*see* Tsai et al). 2006;118:1242-8

Chapman MD (*see* Maloney et al). 2006;118:719-24
Cheadle C (*see* Barnes et al). 2006;118:70-7
Chen C-L, Wang S-D, Zeng Z-Y, Lin K-J, Kao S-T, Tani T, Yu C-K, Wang J-Y. Serine protease inhibitors nafamostat mesilate and gabexate mesilate attenuate allergen-induced airway inflammation and eosinophilia in a murine model of asthma. 2006;118:105-12
Chenivesse C (*see* Chang et al). 2006;118:354-60
Chevrie K (*see* Bousquet et al). 2006;118:447-54
Chi P (*see* Barnes et al). 2006;118:70-7
Chichester K (*see* Higgins et al). 2006;118:504-10
Chida K (*see* Shirai et al). 2006;118:622-6
Chin K (*see* Ueda et al). 2006;118:1019-25
Chinchilli VM (*see* Meltzer et al). 2006;118:S17-61
Chinen J, Finkelman F, Shearer WT. Advances in basic and clinical immunology. 2006;118:489-95
Chinn S (*see* Heinrich et al). 2006;118:674-81
Chinn S (*see* Zock et al). 2006;118:682-90
Cho S-H (*see* Campo et al). 2006;118:1271-8
Choudhry S (*see* Tsai et al). 2006;118:1242-8
Choudhury BK (*see* Bacsi et al). 2006;118:844-50
Chtanova T (*see* Liu et al). 2006;118:496-503
Chung KF (*see* Sukkar et al). 2006;118:641-8
Church JA (*see* Shearer et al). 2006;118:518-21 (Letters to the editor)
Ciabattoni G (*see* Montuschi et al). 2006;118:347-53
Ciprandi G, Cirillo I. The lower airway pathology of rhinitis. 2006;118:1105-9
Cirillo I (*see* Ciprandi et al). 2006;118:1105-9
Clarke A (*see* Yu et al). 2006;118:466-72
Clarke SE (*see* Wu et al). 2006;118:233-41
Cockcroft DW, Davis BE. Mechanisms of airway hyperresponsiveness. 2006;118:551-9 (Review)
Codreanu F (*see* Astier et al). 2006;118:250-6
Cohen EA (*see* Arbes et al). 2006;118:1169-75
Cohn RD (*see* Salo et al). 2006;118:892-8
Colice GL. Small airway disease: An enigma wrapped within a paradox. 2006;118:337-9 (Editorial)
Collins MH (*see* Stein et al). 2006;118:1312-19
Colombo G (*see* Dahl et al). 2006;118:434-40
Cook EF (*see* Schatz et al). 2006;118:1048-53
Cookson WOCM (*see* Morar et al). 2006;118:24-34 (Review)
Cork MJ, Robinson DA, Vasilopoulos Y, Ferguson A, Moustafa M, MacGowan A, Duff GW, Ward SJ, Tazi-Ahnini R. New perspectives on epidermal barrier dysfunction in atopic dermatitis: Gene–environment interactions. 2006;118:3-21 (Review)
Corren J (*see* Zeidler et al). 2006;118:1075-81
Corrigan CJ (*see* Loke et al). 2006;118:368-75
Corrigan CJ (*see* Ying et al). 2006;118:1386-8 (Letters to the editor)
Cortes L, Carvalho AL, Todo-Bom A, Faro C, Pires E, Veríssimo P. Purification of a novel aminopeptidase from the pollen of *Parietaria judaica* that alters epithelial integrity and degrades neuropeptides. 2006;118:878-84
Cosmi L (*see* Filì et al). 2006;118:511-7
Cox M (*see* Zuberbier et al). 2006;118:226-32
Cox N (*see* Burgess et al). 2006;118:649-57
Cox NJ (*see* Kurz et al). 2006;118:396-402
Crane J (*see* Gillespie et al). 2006;118:1265-70
Crane J (*see* Siebers et al). 2006;118:533-4 (Letters to the editor)
Creegan R (*see* Khoo et al). 2006;118:627-34
Crisafulli D (*see* Marks et al). 2006;118:53-61
Cristhina Faé K (*see* Graudenz et al). 2006;118:1126-32
Cullinan P (*see* Torrent et al). 2006;118:742-8
Cumplido J (*see* Sánchez-Monge et al). 2006;118:705-10
Curtis L (*see* Lieberman et al). 2006;118:763

D

Da Frè M (*see* Carraro et al). 2006;118:958-60 (Letters to the editor)
Dahl R, Kapp A, Colombo G, de Monchy JGR, Rak S, Emminger W, Rivas MF, Ribel M, Durham SR. Efficacy and safety of sublingual immunotherapy with grass allergen tablets for seasonal allergic rhinoconjunctivitis. 2006;118:434-40
Dahlén B (*see* Gyllfors et al). 2006;118:78-83
Dahlén S-E (*see* Gyllfors et al). 2006;118:78-83
Dahlman-Hoglund A (*see* Zock et al). 2006;118:682-90
Danzig MR (*see* Meltzer et al). 2006;118:S17-61
Darken PF (*see* Ratner et al). 2006;118:1142-8
Das-Munshi J, Rubin GJ, Wessely S. Multiple chemical sensitivities: A systematic review of provocation studies. 2006;118:1257-64
Daschner A. Sensitization to *Anisakis simplex*: Inhalant allergy versus gastroallergic anisakiasis. 2006;118:968 (Correspondence)
DaSilva D (*see* Uekert et al). 2006;118:1375-81
Davies DE (*see* Andrews et al). 2006;118:858-65
Davis BE (*see* Cockcroft and Davis). 2006;118:551-9 (Review)
Davis WB (*see* Jarjour et al). 2006;118:44-52
Dawbarn D (*see* Nassenstein et al). 2006;118:597-605
Day NK (*see* Lavi et al). 2006;118:1184-6 (Letters to the editor)
De Bacquer D (*see* Van Hoecke et al). 2006;118:758-9 (Letters to the editor)
de Klerk N (*see* Khoo et al). 2006;118:627-34
de Marco R (*see* Svanes et al). 2006;118:691-8
de Monchy JGR (*see* Dahl et al). 2006;118:434-40
de Nadai P (*see* Chang et al). 2006;118:354-60
Deichmann KA (*see* Kurz et al). 2006;118:396-402
dela Cruz T (*see* Higgins et al). 2006;118:504-10
Delespesse G (*see* Allakhverdi et al). 2006;118:1342-9
Deng C (*see* Liu et al). 2006;118:496-503
DeVille JG (*see* Shearer et al). 2006;118:518-21 (Letters to the editor)
Dewulf L (*see* Van Hoecke et al). 2006;118:758-9 (Letters to the editor)
Deykin A. Biomarker-driven care in asthma: Are we there? 2006;118:565-8 (Perspectives in asthma)
Dharajiya N (*see* Bacsi et al). 2006;118:844-50
Dharmage S (*see* Svanes et al). 2006;118:691-8
Di Giorgi R (*see* Profita et al). 2006;118:1068-74
Di Prisco MC (*see* Khoo et al). 2006;118:627-34

Diaz-Lacava A (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Diaz-Sanchez D, Rumold R, Gong H Jr. Challenge with environmental tobacco smoke exacerbates allergic airway disease in human beings. 2006;118:441-6
Dijkgraaf MGW (*see* Ebbens et al). 2006;118:1149-56
Dittrich A-M (*see* Blumchen et al). 2006;118:615-21
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F

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Fonseca SG (*see* Graudenz et al). 2006;118:1126-32
Fontán G (*see* Blanch et al). 2006;118:1330-5
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H

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Hayden CM (*see* Hales et al). 2006;118:361-7
Hayes MG (*see* Kurz et al). 2006;118:396-402
HayGlass KT (*see* Thottingal et al). 2006;118:905-14
He R (*see* Elkhal et al). 2006;118:1363-8
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Herbert DBR (*see* Nieuwenhuizen et al). 2006;118:968-9 (Correspondence)
Herlaar E (*see* Rossi et al). 2006;118:749-55
Hermanns HM (*see* Neis et al). 2006;118:930-7
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Huber M (*see* Gibbs et al). 2006;118:1060-7
Hug C (*see* Shore et al). 2006;118:389-95
Hunt JF (*see* Gaston et al). 2006;118:817-22
Hurme M (*see* Pessi et al). 2006;118:284-6 (Letters to the editor)
Huynh S (*see* Rossi et al). 2006;118:749-55

I

Ichikawa T (*see* Matsunaga et al). 2006;118:84-90
Ichinose M (*see* Matsunaga et al). 2006;118:84-90
Ieromnimon A (*see* Jaakkola et al). 2006;118:823-30
Ikeda K (*see* Tamachi et al). 2006;118:606-14
Illig T (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Illig T (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)
Inui N (*see* Shirai et al). 2006;118:622-6
Ipsen H (*see* Meno et al). 2006;118:971
Irmscher S (*see* Lommatzsch et al). 2006;118:91-7
Irvin CG (*see* McCoy et al). 2006;118:1226-33
Irvine AD (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Israel E (*see* Jarjour et al). 2006;118:44-52
Issa R (*see* Sukkar et al). 2006;118:641-8
Issakani SD (*see* Rossi et al). 2006;118:749-55
Iturriaga MV (*see* Torrent et al). 2006;118:742-8
Iwamoto I (*see* Tamachi et al). 2006;118:606-14
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J

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Jakeman DL (*see* Olynych et al). 2006;118:837-43
James M (*see* Williams et al). 2006;118:851-7
Jancar S (*see* Graudenz et al). 2006;118:1126-32
Jaramillo R (*see* Salo et al). 2006;118:892-8
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Jayaram L (*see* Kelly et al). 2006;118:970-1
Jeebhay MF (*see* Nieuwenhuizen et al). 2006;118:968-9 (Correspondence)
Jenkins SG (*see* Meltzer et al). 2006;118:S17-61
Jenneck C (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Jerkic SP (*see* Kurz et al). 2006;118:396-402
Jin SM (*see* Lee et al). 2006;118:120-7
Jin SM (*see* Lee et al). 2006;118:403-9
Jinnai M (*see* Ueda et al). 2006;118:1019-25
Johnson CC (*see* Williams et al). 2006;118:851-7
Johnson PRA (*see* Burgess et al). 2006;118:649-57
Jones RT (*see* Kelso et al). 2006;118:524-5 (Letters to the editor)
Jorissen M (*see* Ebbens et al). 2006;118:1149-56
Joseph L (*see* Yu et al). 2006;118:466-72
Julius P (*see* Lommatzsch et al). 2006;118:91-7
Jung HH (*see* Lee et al). 2006;118:134-42
Jung S (*see* KleinJan et al). 2006;118:1117-25

K

Kagami S-i (*see* Tamachi et al). 2006;118:606-14
Kagan R (*see* Yu et al). 2006;118:466-72
Kajosaari M (*see* Malmström et al). 2006;118:591-6
Kakami M (*see* Kondo et al). 2006;118
Kalayci O (*see* Ercan et al). 2006;118:1097-104
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Musk AW (*see* Khoo et al). 2006;118:627-34
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N

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Nakanishi M (*see* Matsunaga et al). 2006;118:84-90
Nakano H (*see* Grinnan et al). 2006;118:1234-41
Nakayama T (*see* Tenda et al). 2006;118:725-33
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Nelson HS (*see* Lent et al). 2006;118:1249-56
Nepper-Christensen S (*see* Khoo et al). 2006;118:627-34
Neukirch F (*see* Leynaert et al). 2006;118:658-65
Newman KB (*see* Zeidler et al). 2006;118:1075-81
Newton R (*see* Liu et al). 2006;118:496-503
Nickel R (*see* Marenholz et al). 2006;118:866-71
Nicklas RA (*see* Meltzer et al). 2006;118:S17-61
Nicolae R (*see* Kurz et al). 2006;118:396-402
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Norbäck D (*see* Svanes et al). 2006;118:691-8
Norbäck D (*see* Zock et al). 2006;118:682-90
Nothen MM (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Novak N (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Novak N (*see* Bussmann et al). 2006;118:1292-8
Novak N (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Novak N (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)

O

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Oldfield K (*see* Siebers et al). 2006;118:533-4 (Letters to the editor)
Olds R (*see* Campo et al). 2006;118:1271-8
Olivenstein R (*see* Lemière et al). 2006;118:1033-9
Oliver BGG (*see* Burgess et al). 2006;118:649-57
Olivieri M (*see* Heinrich et al). 2006;118:674-81
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Ownby DR (*see* Williams et al). 2006;118:851-7

P

Pace E (*see* Profita et al). 2006;118:1068-74
Paiva M (*see* Verbanck et al). 2006;118:340-6
Paller AS (*see* Zuberbier et al). 2006;118:226-32

Palmer CNA (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Palumbo P (*see* Shearer et al). 2006;118:518-21 (Letters to the editor)
Papadopoulos NG (*see* Vassilopoulou et al). 2006;118: 473-80
Parameswaran K (*see* Kelly et al). 2006;118:970-1 (Correspondence)
Park BK (*see* Wu et al). 2006;118:233-41
Park H-S (*see* Nahm et al). 2006;118:376-81
Park H-S (*see* Ye et al). 2006;118:885-91
Park HS (*see* Lee et al). 2006;118:120-7
Park M (*see* Nageotte et al). 2006;118:521-2 (Letters to the editor)
Park SJ (*see* Lee et al). 2006;118:120-7
Park SJ (*see* Lee et al). 2006;118:403-9
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Parry R (*see* Kurz et al). 2006;118:396-402
Pasmans SG (*see* Flinterman et al). 2006;118:1186-9 (Letters to the editor)
Pasquale MF (*see* Carraro et al). 2006;118:958-60 (Letters to the editor)
Patton K (*see* Higgins et al). 2006;118:504-10
Pawankar R (*see* Meltzer et al). 2006;118:S17-61
Payan DG (*see* Rossi et al). 2006;118:749-55
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Petit N (*see* Astier et al). 2006;118:250-6
Pichavant M (*see* Elkhal et al). 2006;118:1363-8
Pichler WJ (*see* Wu et al). 2006;118:233-41
Pin I (*see* Leynaert et al). 2006;118:658-65
Pires E (*see* Cortes et al). 2006;118:878-84
Pirmohamed M (*see* Wu et al). 2006;118:233-41
Pitkäranta A (*see* Malmström et al). 2006;118:591-6
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Plana E (*see* Zock et al). 2006;118:682-90
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Ponzio M (*see* Heinrich et al). 2006;118:674-81
Ponzio M (*see* Zock et al). 2006;118:682-90
Porsbjerg C (*see* Khoo et al). 2006;118:627-34
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Puri KD (*see* Lee et al). 2006;118:403-9
Putnam PE (*see* Stein et al). 2006;118:1312-19

Q

Quansah R (*see* Jaakkola et al). 2006;118:823-30
Quinnell R (*see* Flohr et al). 2006;118:1305-11

R

R. Simons FE (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
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Rak S (*see* Dahl et al). 2006;118:434-40
Ramos-Barbón D (*see* Herszberg et al). 2006;118:382-8
Ramsdell JW (*see* Jarjour et al). 2006;118:44-52
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Retzek M (*see* Lorenz et al). 2006;118:711-8
Ribatti V (*see* Sacchetti et al). 2006;118:872-7

Ribel M (*see* Dahl et al). 2006;118:434-40
Riccobono L (*see* Profita et al). 2006;118:1068-74
Rigby N (*see* Fernández-Rivas et al). 2006;118:481-8
Rigby N (*see* Vassilopoulou et al). 2006;118:473-80
Ring J (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Ring J (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)
Rivas MF (*see* Dahl et al). 2006;118:434-40
Roberg K (*see* Uekert et al). 2006;118:1375-81
Robins TG (*see* Nieuwenhuizen et al). 2006;118:968-9 (Correspondence)
Robinson DA (*see* Cork et al). 2006;118:3-21 (Review)
Roche O (*see* Blanch et al). 2006;118:1330-5
Rodríguez de Castro F (*see* García-Laorden et al). 2006;118: 1383-5 (Letters to the editor)
Rodriguez E (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Rodriguez R (*see* Higgins et al). 2006;118:504-10
Rodriguez-Cintron W (*see* Tsai et al). 2006;118:1242-8
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Rolinck-Werninghaus C (*see* Mehl et al). 2006;118:923-9
Rolph MS (*see* Liu et al). 2006;118:496-503
Romagnani S (*see* Filì et al). 2006;118:511-7
Rontu R (*see* Pessi et al). 2006;118:284-6 (Letters to the editor)
Roorda RJ (*see* Baatenburg de Jong et al). 2006;118:280-2 (Letters to the editor)
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Rothenberg ME (*see* Brandt et al). 2006;118:420-7
Rothenberg ME (*see* Hogan et al). 2006;118:257-68
Rothenberg ME (*see* Stein et al). 2006;118:1312-19
Rothenberg ME (see Zweiman and Rothenberg). 2006;118: 291-2, 539-40, 769-70, 981-2, 1195-6, 1389-90
Roux KH (*see* Tawde et al). 2006;118:915-22
Rubin GJ (*see* Das-Munshi et al). 2006;118:1257-64
Ruffin RE (*see* Appleton et al). 2006;118:1284-91
Rummler L (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)
Rumold R (*see* Diaz-Sanchez et al). 2006;118:441-6
Rüschendorf F (*see* Marenholz et al). 2006;118:866-71
Rusconi F (*see* Carraro et al). 2006;118:958-60 (Letters to the editor)
Ruzicka T (*see* Homey et al). 2006;118:178-89 (Current perspectives)

S

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Samson PM (*see* Shearer et al). 2006;118:518-21 (Letters to the editor)
Sanak M (*see* Mastalerz et al). 2006;118:957-8 (Letters to the editor)
Sánchez I (*see* García-Robaina et al). 2006;118:1026-32
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Sanico A (*see* Sarin et al). 2006;118:999-1014 (Review)
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Scheiblhofer S (*see* Gabler et al). 2006;118:734-41
Scheurer S (*see* Le et al). 2006;118:1176-83
Scheurer S (*see* Lorenz et al). 2006;118:711-8

Scheynius A (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Schmid-Grendelmeier P (*see* Boguniewicz et al). 2006;118: 40-3 (Clinical pearls)
Schmidt K (*see* Lent et al). 2006;118:1249-56
Schneider D (*see* Kurz et al). 2006;118:396-402
Schneider SW (*see* Steinhoff et al). 2006;118:190-7
Schubert MS (*see* Meltzer et al). 2006;118:S17-61
Schuermans D (*see* Verbanck et al). 2006;118:340-6
Schulz F (*see* Marenholz et al). 2006;118:866-71
Schulze A (*see* Radon and Schulze). 2006;118:1279-83
Schwede M (*see* Blumchen et al). 2006;118:615-21
Scott J (*see* Elkhal et al). 2006;118:1363-8
Scribner TA (*see* Brandt et al). 2006;118:420-7
Sedgwick JB (*see* Kessel et al). 2006;118:831-6
Seib C (*see* Gerhold et al). 2006;118:666-73
Seidu L (*see* Hogan et al). 2006;118:257-68
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Sills M (*see* Lent et al). 2006;118:1249-56
Silva DG (*see* Liu et al). 2006;118:496-503
Silverman JM (*see* Zeidler et al). 2006;118:1075-81
Silverman M (*see* Kuehni et al). 2006;118:528-30 (Letters to the editor)
Simon JC (*see* Treudler et al). 2006;118:965-7 (Letters to the editor)
Simon JC (*see* Zuberbier et al). 2006;118:226-32
Simon RA (*see* Stevenson and Simon). 2006;118:801-4 (Clinical pearls)
Simons FER (*see* Thottingal et al). 2006;118:905-14
Singh R (*see* Rossi et al). 2006;118:749-55
Sisavanh M (*see* Liu et al). 2006;118:496-503
Slavin RG (*see* Meltzer et al). 2006;118:S17-61
Sleasman JW (*see* Kamchaisatian et al). 2006;118:1336-41
Sleasman JW (*see* Lavi et al). 2006;118:1184-6 (Letters to the editor)
Smith ME (*see* Shearer et al). 2006;118:518-21 (Letters to the editor)
Smith W (*see* Hissaria et al). 2006;118:128-33
Soh C (*see* Loke et al). 2006;118:368-75
Sonnewald U (*see* Le et al). 2006;118:1176-83
Sonnewald U (*see* Lorenz et al). 2006;118:711-8
Soon A (*see* Zock et al). 2006;118:682-90
Soussan D (*see* Leynaert et al). 2006;118:658-65
Soyer OU (*see* Ercan et al). 2006;118:1097-104
Spangfort MD (*see* Meno et al). 2006;118:971 (Correspondence)
Spergel J (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Spiegel HML (*see* Shearer et al). 2006;118:518-21 (Letters to the editor)
Spies E (*see* Nassenstein et al). 2006;118:597-605
St. Pierre Y (*see* Yu et al). 2006;118:466-72
Stachulski AV (*see* Wu et al). 2006;118:233-41
Staden U (*see* Mehl et al). 2006;118:923-9
Stammberger H (*see* Gevaert et al). 2006;118:1133-41
Stanbridge R (*see* Sukkar et al). 2006;118:641-8
Stanforth S (*see* Campo et al). 2006;118:1271-8
Stanzel S (*see* Neis et al). 2006;118:930-7
Staudinger H (*see* Gevaert et al). 2006;118:1133-41
Stauffer JL (*see* Jarjour et al). 2006;118:44-52
Stefura BP (*see* Thottingal et al). 2006;118:905-14
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Steinhoff M (*see* Homey et al). 2006;118:178-89 (Current perspectives)
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Steinle J (*see* Gerhold et al). 2006;118:666-73
Stepanoska T (*see* Bauer et al). 2006;118:269-76
Stevenson DD, Simon RA. Selection of patients for aspirin desensitization treatment. 2006;118:801-4 (Clinical pearls)
Stevenson DD, Szczeklik A. Clinical and pathologic perspectives on aspirin sensitivity and asthma. 2006;118: 773-86 (Review)
Stewart MG (*see* Meltzer et al). 2006;118:S17-61
Stockton M (*see* Barnes et al). 2006;118:70-7
Stoecklinger A (*see* Gabler et al). 2006;118:734-41
Strait RT (*see* Akei et al). 2006;118:62-9
Strand M (*see* Lent et al). 2006;118:1249-56
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Strickland MHV. How solid is the Academy position paper on mold exposure? 2006;118:763-4 (Correspondence)
Strippoli M-PF (*see* Kuehni et al). 2006;118:528-30 (Letters to the editor)
Strunk RC, Weiss ST, Yates KP, Tonascia J, Zeiger RS, Szefler SJ. Mild to moderate asthma affects lung growth in children and adolescents. 2006;118:1040-7
Suda T (*see* Shirai et al). 2006;118:622-6
Suh C-H (*see* Ye et al). 2006;118:885-91
Sukkar MB, Xie S, Khorasani NM, Kon OM, Stanbridge R, Issa R, Chung KF. Toll-like receptor 2, 3, and 4 expression and function in human airway smooth muscle. 2006;118:641-8
Sung S-S (*see* Grinnan et al). 2006;118:1234-41
Sunyer J (*see* Svanes et al). 2006;118:691-8
Sunyer J (*see* Torrent et al). 2006;118:742-8
Sunyer J (*see* Zock et al). 2006;118:682-90
Sur S (*see* Bacsi et al). 2006;118:844-50
Suto A (*see* Tamachi et al). 2006;118:606-14
Suzuki A (*see* Tenda et al). 2006;118:725-33
Suzuki K (*see* Tamachi et al). 2006;118:606-14
Svanes C (*see* Heinrich et al). 2006;118:674-81
Svanes C (*see* Zock et al). 2006;118:682-90
Svanes C, Zock J-P, Antó J, Dharmage S, Norbäck D, Wjst M, Heinrich J, Jarvis D, de Marco R, Plana E, Raherison C, Sunyer J. Do asthma and allergy influence subsequent pet keeping? An analysis of childhood and adulthood. 2006;118:691-8
Szczeklik A (*see* Mastalerz et al). 2006;118:957-8 (Letters to the editor)
Szczeklik A (*see* Stevenson and Szczelalik). 2006;118: 773-86 (Review)
Szefler SJ (*see* Strunk et al). 2006;118:1040-7
Szefler SJ (see Leung et al). 2006;118:1-2, 293-4, 541-2, 771-2, 983-4, 1197-8

T

Taïeb A (*see* Zuberbier et al). 2006;118:226-32
Takahashi A (*see* Vasavda et al). 2006;118:1090-6
Takayama G, Arima K, Kanaji T, Toda S, Tanaka H, Shoji S, McKenzie ANJ, Nagai H, Hotokebuchi T, Izuhara K. Periostin: A novel component of subepithelial fibrosis of bronchial asthma downstream of IL-4 and IL-13 signals. 2006;118:98-104
Takeda K (*see* Miyahara et al). 2006;118:1110-6
Takemura M (*see* Ueda et al). 2006;118:1019-25
Tamachi T, Maezawa Y, Ikeda K, Kagami S-i, Hatano M, Seto Y, Suto A, Suzuki K, Watanabe N, Saito Y, Tokuhisa T, Iwamoto I, Nakajima H. IL-25 enhances allergic airway inflammation by amplifying a T_H2 cell–dependent pathway in mice. 2006;118:606-14
Tamaoka M (*see* Herszberg et al). 2006;118:382-8
Tanaka H (*see* Takayama et al). 2006;118:98-104
Tang Y (*see* Feeney et al). 2006;118:324-30 (Case study)
Tangsinmankong N (*see* Kamchaisatian et al). 2006;118: 1336-41
Tangsinmankong N (*see* Lavi et al). 2006;118:1184-6 (Letters to the editor)
Tangye SG (*see* Liu et al). 2006;118:496-503
Tani T (*see* Chen et al). 2006;118:105-12
Tashkin DP (*see* Jarjour et al). 2006;118:44-52
Tashkin DP (*see* Zeidler et al). 2006;118:1075-81
Tassios I (*see* Vassilopoulou et al). 2006;118:473-80
Tavernier J (*see* Gevaert et al). 2006;118:1133-41
Tawde P, Venkatesh YP, Wang F, Teuber SS, Sathe SK, Roux KH. Cloning and characterization of profilin (Pru du 4), a cross-reactive almond (*Prunus dulcis*) allergen. 2006;118:915-22
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Taylor AW (*see* Appleton et al). 2006;118:1284-91
Taylor J (*see* Hissaria et al). 2006;118:128-33
Taylor V (*see* Rossi et al). 2006;118:749-55
Tazi-Ahnini R (*see* Cork et al). 2006;118:3-21 (Review)
Tcheurekdjian H, Gundling K. Continuous hydromorphone infusion for opioid intolerance. 2006;118:282-4 (Letters to the editor)
Teague WG (*see* Fitzpatrick et al). 2006;118:1218-25
Teague WG (*see* Gaston et al). 2006;118:817-22
Tenda Y, Yamashita M, Kimura MY, Hasegawa A, Shimizu C, Kitajima M, Onodera A, Suzuki A, Seki N, Nakayama T. Hyperresponsive T_H2 cells with enhanced nuclear factor-κB activation induce atopic dermatitis–like skin lesions in Nishiki-nezumi Cinnamon/Nagoya mice. 2006;118:725-33
Terry RD (*see* Shore et al). 2006;118:389-95
Teuber SS (*see* Tawde et al). 2006;118:915-22
Thalhamer J (*see* Bauer et al). 2006;118:269-76
Thalhamer J (*see* Gabler et al). 2006;118:734-41
Thalhamer T (*see* Bauer et al). 2006;118:269-76
Thomas WR (*see* Hales et al). 2006;118:361-7
Thorsted PB (*see* Meno et al). 2006;118:971 (Correspondence)
Thottingal TB, Stefura BP, Simons FER, Bannon GA, Burks W, HayGlass KT. Human subjects without peanut allergy

demonstrate T cell–dependent, T_H2-biased, peanut-specific cytokine and chemokine responses independent of T_H1 expression. 2006;118:905-14
Tisler C (*see* Uekert et al). 2006;118:1375-81
Toda S (*see* Takayama et al). 2006;118:98-104
Todo-Bom A (*see* Cortes et al). 2006;118:878-84
Togias A (*see* Meltzer et al). 2006;118:S17-61
Togias A (*see* Sarin et al). 2006;118:999-1014 (Review)
Togias A (*see* Wu et al). 2006;118:428-33
Tokuhisa T (*see* Tamachi et al). 2006;118:606-14
Tonascia J (*see* Strunk et al). 2006;118:1040-7
Tonnel A-B (*see* Chang et al). 2006;118:354-60
Torinssson-Naluai Å (*see* Benson et al). 2006;118:220-5
Torre F (*see* García-Robaina et al). 2006;118:1026-32
Torrent M, Sunyer J, Muñoz L, Cullinan P, Iturriaga MV, Figueroa C, Vall O, Taylor AN, Anto JM. Early-life domestic aeroallergen exposure and IgE sensitization at age 4 years. 2006;118:742-8
Torres A (*see* Tsai et al). 2006;118:1242-8
Torres MJ (*see* Rodriguez-Pena et al). 2006;118:949-56
Tovey E (*see* Mahakittikun et al). 2006;118:1164-8
Tovey ER (*see* Marks et al). 2006;118:53-61
Town I (*see* Gillespie et al). 2006;118:1265-70
Tremblay GM (*see* Langlois et al). 2006;118:113-9
Treudler R, Simon JC. Symmetric, drug-related, intertriginous, and flexural exanthema in a patient with polyvalent intolerance to corticosteroids. 2006;118:965-7 (Letters to the editor)
Tribess A (*see* Graudenz et al). 2006;118:1126-32
Truong DA (*see* Zeidler et al). 2006;118:1075-81
Tsai H-J (*see* Tsai et al). 2006;118:1242-8
Tsai YJ, Choudhry S, Kho J, Beckman K, Tsai H-J, Navarro D, Matallana H, Castro RA, Lilly CM, Nazario S, Rodriguez-Santana JR, Casal J, Torres A, Salas J, Chapela R, Watson HG, Meade K, Avila PC, Rodriguez-Cintron W, LeNoir M, Burchard EG. The *PTGDR* gene is not associated with asthma in 3 ethnically diverse populations. 2006;118:1242-8
Tsicopoulos A (*see* Chang et al). 2006;118:354-60
Tsuge I (*see* Kondo et al). 2006;118:1382-3 (Letters to the editor)
Tuck S (*see* Higgins et al). 2006;118:504-10
Turjanmaa K (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Turpeinen M (*see* Malmström et al). 2006;118:591-6
Tuyen LN (*see* Flohr et al). 2006;118:1305-11

U

Ueda T, Niimi A, Matsumoto H, Takemura M, Hirai T, Yamaguchi M, Matsuoka H, Jinnai M, Muro S, Chin K, Mishima M. Role of small airways in asthma: Investigation using high-resolution computed tomography. 2006;118:1019-25
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Ueshima K (*see* Matsunaga et al). 2006;118:84-90
Umetsu DT (*see* Elkhal et al). 2006;118:1363-8
Undem B (*see* Sarin et al). 2006;118:999-1014 (Review)
Urban P (*see* Gaston et al). 2006;118:817-22
Urisu A (*see* Kondo et al). 2006;118:1382-3 (Letters to the editor)
Urrutia I (*see* Blanch et al). 2006;118:1330-5

V

Vadas M (*see* Hissaria et al). 2006;118:128-33
Valenta R (*see* Gabler et al). 2006;118:734-41
Valenzuela DM (*see* Hogan et al). 2006;118:257-68
Vall O (*see* Torrent et al). 2006;118:742-8
van Amerongen A (*see* Bogdanovic et al). 2006;118:1157-63
van Bavel JH (*see* Ratner et al). 2006;118:1142-8
van Cauwenberge P (*see* Gevaert et al). 2006;118:1133-41
van Cauwenberge P (*see* Van Hoecke et al). 2006;118:758-9 (Letters to the editor)
van der Heide S (*see* Oude Elberink et al). 2006;118:699-704
van Hage M (*see* Kull et al). 2006;118:1299-304
Van Hoecke H, Vastesaeger N, Dewulf L, De Bacquer D, van Cauwenberge P. Is the Allergic Rhinitis and its Impact on Asthma classification useful in daily primary care practice? 2006;118:758-9 (Letters to the editor)
van Leeuwen A (*see* Fernández-Rivas et al). 2006;118:481-8
Van Nest G (*see* Higgins et al). 2006;118:504-10
van Ree R (*see* Bohle et al). 2006;118:242-9
van Ree R (*see* Fernández-Rivas et al). 2006;118:481-8
van Ree R (*see* Flinterman et al). 2006;118:1186-9 (Letters to the editor)
van Ree R (*see* Vassilopoulou et al). 2006;118:473-80
van Rijt LS (*see* KleinJan et al). 2006;118:1117-25
Van Zele T (*see* Gevaert et al). 2006;118:1133-41
van Zele TPJ (*see* Ebbens et al). 2006;118:1149-56
Vandenplas O (*see* Bousquet et al). 2006;118:447-54
Varasteh LT (*see* Bender et al). 2006;118:899-904
Vasavda N, Eichholtz T, Takahashi A, Affleck K, Matthews JG, Barnes PJ, Adcock IM. Expression of nonmuscle cofilin-1 and steroid responsiveness in severe asthma. 2006;118:1090-6
Vasilopoulos Y (*see* Cork et al). 2006;118:3-21 (Review)
Vassilopoulou E, Rigby N, Moreno FJ, Zuidmeer L, Akkerdaas J, Tassios I, Papadopoulos NG, Saxoni-Papageorgiou P, van Ree R, Mills C. Effect of *in vitro* gastric and duodenal digestion on the allergenicity of grape lipid transfer protein. 2006;118:473-80
Vastesaeger N (*see* Van Hoecke et al). 2006;118:758-9 (Letters to the editor)
Vaughn B (*see* Arbes et al). 2006;118:1169-75
Venkatesh YP (*see* Tawde et al). 2006;118:915-22
Verbanck S, Schuermans D, Paiva M, Vincken W. The functional benefit of anti-inflammatory aerosols in the lung periphery. 2006;118:340-6
Veríssimo P (*see* Cortes et al). 2006;118:878-84
Verlato G (*see* Heinrich et al). 2006;118:674-81
Verlato G (*see* Zock et al). 2006;118:682-90
Verreault N (*see* Yu et al). 2006;118:466-72
Verstege A (*see* Mehl et al). 2006;118:923-9
Vieths S (*see* Le et al). 2006;118:1176-83

Vieths S (*see* Lorenz et al). 2006;118:711-8
Vignola AM (*see* Profita et al). 2006;118:1068-74
Villani S (*see* Heinrich et al). 2006;118:674-81
Villani S (*see* Zock et al). 2006;118:682-90
Villanueva JM (*see* Stein et al). 2006;118:1312-19
Villareal M (*see* Campo et al). 2006;118:1271-8
Vincken W (*see* Verbanck et al). 2006;118:340-6
Violán JS (*see* García-Laorden et al). 2006;118:1383-5 (Letters to the editor)
Virchow JC (*see* Lommatzsch et al). 2006;118:91-7
Vollmer WM (*see* Schatz et al). 2006;118:1048-53
Vorng H (*see* Chang et al). 2006;118:354-60
Vrtala S (*see* Gabler et al). 2006;118:734-41
Vu AT, Lockey RF. Benzocaine anaphylaxis. 2006;118:534-5 (Letters to the editor)
Vultaggio A (*see* Filì et al). 2006;118:511-7

W

Wagenpfeil S (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Wagenpfeil S (*see* Weidinger et al). 2006;118:277-9 (Letters to the editor)
Wagner B (*see* Blumchen et al). 2006;118:615-21
Wahn U (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Wahn U (*see* Marenholz et al). 2006;118:866-71
Wahn U (*see* Mehl et al). 2006;118:923-9
Waibel KH. Aspiration before immunotherapy injection is not required. 2006;118:525-6 (Letters to the editor)
Wald ER (*see* Meltzer et al). 2006;118:S17-61
Walker F (*see* Higgins et al). 2006;118:504-10
Wallaert B (*see* Chang et al). 2006;118:354-60
Wang F (*see* Tawde et al). 2006;118:915-22
Wang J-Y (*see* Chen et al). 2006;118:105-12
Wang M (*see* Chan et al). 2006;118:455-65
Wang N (*see* Blanchard et al). 2006;118:1054-9
Wang S-D (*see* Chen et al). 2006;118:105-12
Wang Y, McCusker C. Neonatal exposure with LPS and/or allergen prevents experimental allergic airways disease: Development of tolerance using environmental antigens. 2006;118:143-51
Wanwatsuntikul W (*see* Kamchaisatian et al). 2006;118:1336-41
Ward SJ (*see* Cork et al). 2006;118:3-21 (Review)
Warrier MR (*see* Akei et al). 2006;118:62-9
Wasserman SI (*see* Serhan and Wasserman). 2006;118:976-8 (The Allergy Archives)
Wasserman SI. Pioneers and Milestones. 2006;118:978-80 (The Allergy Archives)
Watanabe N (*see* Tamachi et al). 2006;118:606-14
Watkins T (*see* Barnes et al). 2006;118:70-7
Watson HG (*see* Tsai et al). 2006;118:1242-8
Webb K (*see* Marks et al). 2006;118:53-61
Weidinger S (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Weidinger S, Illig T, Baurecht H, Irvine AD, Rodriguez E, Diaz-Lacava A, Klopp N, Wagenpfeil S, Zhao Y, Liao H, Lee SP, Palmer CNA, Jenneck C, Maintz L, Hagemann T, Behrendt H, Ring J, Nothen MM, McLean WHI, Novak N. Loss-of-function variations within the filaggrin gene predispose for atopic dermatitis with allergic sensitizations. 2006;118:214-9 (Rapid publication)
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Weiss R (*see* Bauer et al). 2006;118:269-76
Weiss R (*see* Gabler et al). 2006;118:734-41
Weiss ST (*see* Strunk et al). 2006;118:1040-7
Wenzel J (*see* Neis et al). 2006;118:930-7
Werfel T (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Werfel T (*see* Bohle et al). 2006;118:242-9
Werfel T (*see* Bussmann et al). 2006;118:1292-8
Wessely S (*see* Das-Munshi et al). 2006;118:1257-64
Wickens K (*see* Gillespie et al). 2006;118:1265-70
Wickman M (*see* Kull et al). 2006;118:1299-304
Willart M (*see* KleinJan et al). 2006;118:1117-25
Williams H (*see* Flohr et al). 2006;118:1305-11
Williams H, Flohr C. How epidemiology has challenged 3 prevailing concepts about atopic dermatitis. 2006;118:209-13 (Rostrum)
Williams LK, McPhee RA, Ownby DR, Peterson EL, James M, Zoratti EM, Johnson CC. Gene-environment interactions with *CD14* C-260T and their relationship to total serum IgE levels in adults. 2006;118:851-7
Williams TJ (*see* Pease and Williams). 2006;118:305-18 (Review)
Williamson MP, McCormick TG, Nance CL, Shearer WT. Epigallocatechin gallate, the main polyphenol in green tea, binds to the T-cell receptor, CD4: Potential for HIV-1 therapy. 2006;118:1369-74
Willis-Owen SAG (*see* Morar et al). 2006;118:24-34 (Review)
Wills-Karp M (*see* Barnes et al). 2006;118:70-7
Wills-Karp M (*see* Perkins et al). 2006;118:410-9
Wilson DH (*see* Appleton et al). 2006;118:1284-91
Wilson SC (*see* Straus and Wilson). 2006;118:760 (Correspondence)
Wilson SJ (*see* Jarjour et al). 2006;118:44-52
Wingertzahn MA (*see* Ratner et al). 2006;118:1142-8
Winther B (*see* Meltzer et al). 2006;118:S17-61
Wisnewski AV (*see* Ye et al). 2006;118:885-91
Wjst M (*see* Svanes et al). 2006;118:691-8
Wood RA, Bush RK. Reply. 2006;118:767-8 (Correspondence)
Worm M (*see* Marenholz et al). 2006;118:866-71
Wormald PJ (*see* Hissaria et al). 2006;118:128-33
Wouters I (*see* Bogdanovic et al). 2006;118:1157-63
Wu XQ, Myers AC, Goldstone AC, Togias A, Sanico AM. Localization of nerve growth factor and its receptors in the human nasal mucosa. 2006;118:428-33
Wu Y, Sanderson JP, Farrell J, Drummond NS, Hanson A, Bowkett E, Berry N, Stachulski AV, Clarke SE, Pichler WJ, Pirmohamed M, Park BK, Naisbitt DJ. Activation of

T cells by carbamazepine and carbamazepine metabolites. 2006;118:233-41

X

Xavier R (*see* Liu et al). 2006;118:496-503
Xie S (*see* Sukkar et al). 2006;118:641-8
Xu A (*see* Shore et al). 2006;118:389-95

Y

Yamagata T (*see* Matsunaga et al). 2006;118:84-90
Yamaguchi M (*see* Ueda et al). 2006;118:1019-25
Yamashita M (*see* Tenda et al). 2006;118:725-33
Yamauchi Y (*see* Lemière et al). 2006;118:1033-9
Yanagawa Y (*see* Chan et al). 2006;118:455-65
Yanagisawa S (*see* Matsunaga et al). 2006;118:84-90
Yancey SW (*see* Bleecker et al). 2006;118:809-16
Yancey SW (*see* Jarjour et al). 2006;118:44-52
Yancopoulos GD (*see* Hogan et al). 2006;118:257-68
Yasuda T (*see* Kondo et al). 2006;118:1382-3 (Letters to the editor)
Yates KP (*see* Strunk et al). 2006;118:1040-7
Ye Y-M (*see* Nahm et al). 2006;118:376-81
Ye Y-M, Kim C-W, Kim H-R, Kim H-M, Suh C-H, Nahm D-H, Park H-S, Redlich CA, Wisnewski AV. Biophysical determinants of toluene diisocyanate antigenicity associated with exposure and asthma. 2006;118:885-91
Ying S (*see* Loke et al). 2006;118:368-75
Ying S, Meng Q, Corrigan CJ, Lee TH. Lack of filaggrin expression in the human bronchial mucosa. 2006;118:1386-8 (Letters to the editor)
Yu C-K (*see* Chen et al). 2006;118:105-12
Yu JW, Kagan R, Verreault N, Nicolas N, Joseph L, St. Pierre Y, Clarke A. Accidental ingestions in children with peanut allergy. 2006;118:466-72
Yunginger JW (*see* Kelso et al). 2006;118:524-5 (Letters to the editor)

Z

Zaluga E (*see* Marenholz et al). 2006;118:866-71
Zambelli-Weiner A (*see* Barnes et al). 2006;118:70-7
Zanconato S (*see* Carraro et al). 2006;118:958-60 (Letters to the editor)
Zardkoohi O (*see* Barnes et al). 2006;118:70-7
Zeidler MR, Goldin JG, Kleerup EC, Kim HJ, Truong DA, Gjertson DW, Kennedy NJ, Newman KB, Tashkin DP, Silverman JM, Corren J. Small airways response to naturalistic cat allergen exposure in subjects with asthma. 2006;118:1075-81
Zeiger RS (*see* Schatz et al). 2006;118:1048-53
Zeiger RS (*see* Strunk et al). 2006;118:1040-7
Zeldin DC (*see* Arbes et al). 2006;118:1169-75
Zeldin DC (*see* Salo et al). 2006;118:892-8
Zeng Z-Y (*see* Chen et al). 2006;118:105-12
Zhang G (*see* Khoo et al). 2006;118:627-34
Zhang L (*see* Rabinovitch et al). 2006;118:635-40
Zhang S (*see* Barnes et al). 2006;118:70-7
Zhao Y (*see* Weidinger et al). 2006;118:214-9 (Rapid publication)
Zillikens D (*see* Gibbs et al). 2006;118:1060-7
Zimmer S (*see* Liu et al). 2006;118:496-503
Zock J-P (*see* Heinrich et al). 2006;118:674-81
Zock J-P (*see* Svanes et al). 2006;118:691-8
Zock J-P, Heinrich J, Jarvis D, Verlato G, Norbäck D, Plana E, Sunyer J, Chinn S, Olivieri M, Soon A, Villani S, Ponzio M, Dahlman-Hoglund A, Svanes C, Luczynska C. Distribution and determinants of house dust mite allergens in Europe: The European Community Respiratory Health Survey II. 2006;118:682-90
Zoegg T (*see* Bauer et al). 2006;118:269-76
Zoratti E (*see* Nageotte et al). 2006;118:521-2 (Letters to the editor)
Zoratti EM (*see* Williams et al). 2006;118:851-7
Zuberbier T (*see* Akdis et al). 2006;118:152-69 (PRACTALL Consensus Report)
Zuberbier T, Orlow SJ, Paller AS, Taïeb A, Allen R, Hernanz-Hermosa JM, Ocampo-Candiani J, Cox M, Langeraar J, Simon JC. Patient perspectives on the management of atopic dermatitis. 2006;118:226-32
Zuidmeer L (*see* Bohle et al). 2006;118:242-9
Zuidmeer L (*see* Fernández-Rivas et al). 2006;118:481-8
Zuidmeer L (*see* Vassilopoulou et al). 2006;118:473-80
Zweiman B, Rothenberg ME. Beyond our pages. 2006;118:291-2, 539-40, 769-70, 981-2, 1195-6, 1389-90
Zwölfer B (*see* Bohle et al). 2006;118:242-9

Subject index*

A

Actinobacillus actinomycetemcomitans
- Could infection with oral pathogens be beneficial for allergic disease? (Leung et al). 2006;118:983 (The editors' choice)
- Oral pathogens and allergic disease: results from the Third National Health and Nutrition Examination Survey (Arbes et al). 2006;118:1169-75

Activator protein 1
- Activator protein I dysregulation implicated in glucocorticoid resistant asthma (Leung et al). 2006;118:293 (The editors' choice)
- Systemic glucocorticoid reduces bronchial mucosal activation of activator protein 1 components in glucocorticoid-sensitive but not glucocorticoid-resistant asthmatic patients (Loke et al). 2006;118:368-75

Acyloxyacyl hydroxylase
- A novel innate immunity gene confers risk of allergic disease (Leung et al). 2006;118:1 (The editors' choice)
- Polymorphisms in the novel gene acyloxyacyl hydroxylase *(AOAH)* are associated with asthma and associated phenotypes (Barnes et al). 2006;118:70-7

Adenine
- Redirection of allergen-specific T_H2 responses by a modified adenine through Toll-like receptor 7 interaction and IL-12/IFN release (Filì et al). 2006;118:511-7

Adhesion molecules
- Ligation of intercellular adhesion molecule 3 induces apoptosis of human blood eosinophils and neutrophils (Kessel et al). 2006;118:831-6

Adiponectin
- Adiponectin attenuates allergen-induced airway inflammation and hyperresponsiveness in mice (Shore et al). 2006;118:389-95

Adrenergic beta-agonists; *see also specific beta-agonists*
- Determinants of future long-term asthma control (Schatz et al). 2006;118:1048-53
- Inhaled corticosteroids, long-acting β-agonists, and specialist care foster good asthma control (Leung et al). 2006;118:983 (The editors' choice)
- A new trick for an old dog? (Leung et al). 2006;118:541 (The editors' choice)
- No masking of inflammation with long-acting β_2-agonists (Leung et al). 2006;118:2 (The editors' choice)
- Persistence, adherence, and effectiveness of combination therapy among adult patients with asthma (Marceau et al). 2006;118:574-81
- A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57
- Response to long-acting β-agonists not affected by receptor genotype (Leung et al). 2006;118:772 (The editors' choice)
- Salmeterol response is not affected by β_2-adrenergic receptor genotype in subjects with persistent asthma (Bleecker et al). 2006;118:809-16
- Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Adverse reactions; *see* Drug hypersensitivity

Aeroallergens
- Duration of airborne Fel d 1 reduction after cat washing (Nageotte et al). 2006;118:521-2 (Letters to the editor)
- Early-life domestic aeroallergen exposure and IgE sensitization at age 4 years (Torrent et al). 2006;118:742-8
- Epicutaneous aeroallergen exposure induces systemic T_H2 immunity that predisposes to allergic nasal responses (Akei et al). 2006;118:62-9

Aerosols
- The functional benefit of anti-inflammatory aerosols in the lung periphery (Verbanck et al). 2006;118:340-6

Aging
- The natural history of asthma (Reed). 2006;118:543-8 (Review)

Air conditioning
- The role of allergic rhinitis in nasal responses to sudden temperature changes (Graudenz et al). 2006;118:1126-32

Air pollutants
- Diesel exhaust exposure favors T_H2 cell recruitment in nonatopic subjects by differentially regulating chemokine production (Chang et al). 2006;118:354-60
- Respirable trichothecene mycotoxins can be demonstrated in the air of *Stachybotrys chartarum*–contaminated buildings (Straus and Wilson). 2006;118:760 (Correspondence)
- The role of airborne mold in chronic rhinosinusitis (Ponikau and Sherris). 2006;118:762-3 (Correspondence)

Air pollution
- Carbon in airway macrophages and lung function in children (Zweiman and Rothenberg). 2006;118:1195-6 (Beyond our pages)

Airway hyperresponsiveness
- Adiponectin attenuates allergen-induced airway inflammation and hyperresponsiveness in mice (Shore et al). 2006;118:389-95

*July, pp. 1-292; August, pp. 293-540; September, pp. 541-770; October, part 1, pp.771-982; part 2, pp. S1-S16; November, part 1, pp. 983-1196; part 2, pp. S17-S62; December, pp. 1197-1454.

Biomarker-driven care in asthma: Are we there? (Deykin). 2006;118:565-8 (Review)
Bronchial thermoplasty for asthma (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)
Effects of established allergen sensitization on immune and airway responses after secondary allergen sensitization (Blumchen et al). 2006;118: 615-21
Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41
Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens (Brandt et al). 2006;118:420-7
Fine mapping and positional candidate studies of chromosome 5p13 identify multiple asthma susceptibility loci (Kurz et al). 2006;118:396-402
Human rhinovirus in bronchial epithelium of infants with recurrent respiratory symptoms (Malmström et al). 2006;118:591-6
IL-4 induces IL-13–independent allergic airway inflammation (Perkins et al). 2006;118:410-9
The increasing visibility of small airway involvement in asthma (Leung et al). 2006;118:984 (The editors' choice)
Mechanisms of airway hyperresponsiveness (Cockcroft and Davis). 2006;118:551-9 (Review)
Phosphoinositide 3-kinase-δ inhibitor reduces vascular permeability in a murine model of asthma (Lee et al). 2006;118:403-9
Role of small airways in asthma: investigation using high-resolution computed tomography (Ueda et al). 2006;118:1019-25
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81

Airway inflammation

Adiponectin attenuates allergen-induced airway inflammation and hyperresponsiveness in mice (Shore et al). 2006;118:389-95
Airway cytokine expression measured by means of protein array in exhaled breath condensate: correlation with physiologic properties in asthmatic patients (Matsunaga et al). 2006;118: 84-90
Airway inflammation assessed by invasive and noninvasive means in severe asthma: eosinophilic and noneosinophilic phenotypes (Lemière et al). 2006;118:1033-9
An essential role for dendritic cells in human and experimental allergic rhinitis (KleinJan et al). 2006;118:1117-25
Control of airway inflammation maintained at a lower steroid dose with 100/50 μg of fluticasone propionate/salmeterol (Jarjour et al). 2006;118: 44-52
Correlation between peripheral blood T-cell profiles and airway inflammation in atopic asthma (Shirai et al). 2006;118:622-6
Direct evidence for a critical role of CD30 in the development of allergic asthma (Polte et al). 2006;118:942-8
Effects of established allergen sensitization on immune and airway responses after secondary allergen sensitization (Blumchen et al). 2006;118: 615-21
Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41
Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens (Brandt et al). 2006;118:420-7
Features of severe asthma in school-age children: atopy and increased exhaled nitric oxide (Fitzpatrick et al). 2006;118:1218-25
IL-25 enhances allergic airway inflammation by amplifying a T_H2 cell–dependent pathway in mice (Tamachi et al). 2006;118:606-14
IL-4 induces IL-13–independent allergic airway inflammation (Perkins et al). 2006;118:410-9
Mechanisms of airway hyperresponsiveness (Cockcroft and Davis). 2006;118:551-9 (Review)
No masking of inflammation with long-acting β_2-agonists (Leung et al). 2006;118:2 (The editors' choice)
Noninvasive methods for the detection of upper and lower airway inflammation in atopic children (Profita et al). 2006;118:1068-74
Phosphoinositide 3-kinase-δ inhibitor reduces vascular permeability in a murine model of asthma (Lee et al). 2006;118:403-9
Prenatal initiation of endotoxin airway exposure prevents subsequent allergen-induced sensitization and airway inflammation in mice (Gerhold et al). 2006;118:666-73
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118:1082-9
The role of leukotrienes in airway inflammation (Ogawa and Calhoun). 2006;118:789-98 (Review)
Serine protease inhibitors nafamostat mesilate and gabexate mesilate attenuate allergen-induced airway inflammation and eosinophilia in a murine model of asthma (Chen et al). 2006;118:105-12
Simple monitoring system of airway inflammation (Leung et al). 2006;118:1 (The editors' choice)
Subpollen particles: carriers of allergenic proteins and oxidases (Bacsi et al). 2006;118:844-50
Swimming pool attendance and exhaled nitric oxide in children (Carraro et al). 2006;118:958-60 (Letters to the editor)
Toll-like receptor 2, 3, and 4 expression and function in human airway smooth muscle (Sukkar et al). 2006;118:641-8

Airway obstruction

The increasing visibility of small airway involvement in asthma (Leung et al). 2006;118:984 (The editors' choice)

Mild to moderate asthma affects lung growth in children and adolescents (Strunk et al). 2006;118: 1040-7
Rhinitis medicamentosa and the stuffy nose (Lockey). 2006;118:1017-8 (Editorial)
Role of small airways in asthma: investigation using high-resolution computed tomography (Ueda et al). 2006;118:1019-25
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81
Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Airway pollutants
Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation (Chan et al). 2006;118: 455-65

Airway remodeling
Heaves, an asthma-like equine disease, involves airway smooth muscle remodeling (Herszberg et al). 2006;118:382-8
Mechanisms of airway hyperresponsiveness (Cockcroft and Davis). 2006;118:551-9 (Review)
Mild persistent asthma: Is any treatment needed? (Lazarus). 2006;118:805-8 (Review)
A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118:1082-9

Alanine
Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34

Albumins
Biophysical determinants of toluene diisocyanate antigenicity associated with exposure and asthma (Ye et al). 2006;118:885-91

Albuterol
Cysteinyl leukotrienes are important mediators of persistent disease in children with moderate/severe asthma (Leung et al). 2006;118:541 (The editors' choice)

Allergen avoidance
Prevention of asthma during the first 5 years of life: a randomized controlled trial (Marks et al). 2006;118:53-61

Allergens; *see also specific allergens;* specific allergens
Apple allergy across Europe: how allergen sensitization profiles determine the clinical expression of allergies to plant foods (Fernández-Rivas et al). 2006;118:481-8
Cat allergen level: its determinants and relationship to specific IgE to cat across European centers (Heinrich et al). 2006;118:674-81
Child-care center sandpits: a source of cat allergen (Fel d 1) (Siebers et al). 2006;118:533-4 (Letters to the editor)
Cooking birch pollen–related food: divergent consequences for IgE- and T cell–mediated reactivity *in vitro* and *in vivo* (Bohle et al). 2006;118:242-9
The course of allergen-induced leukocyte infiltration in human and experimental asthma (Lommatzsch et al). 2006;118:91-7
Detection of novel occupational wood allergens in locust wood dust *(Robinia pseudoacacia L.)* (Kespohl et al) 2006;118:522-4. Correction. 2006;118:1189
Detection of novel occupational wood allergens in locust wood dust (*Robinia pseudoacacia* L.) (Kespohl et al). 2006;118:522-4 (Letters to the editor)
Differential allergen sensitization patterns in chestnut allergy with or without associated latex-fruit syndrome (Sánchez-Monge et al). 2006;118: 705-10
Distribution and determinants of house dust mite allergens in Europe: the European Community Respiratory Health Survey II (Zock et al). 2006;118:682-90
Effects of established allergen sensitization on immune and airway responses after secondary allergen sensitization (Blumchen et al). 2006;118: 615-21
Efficacy and safety of sublingual immunotherapy with grass allergen tablets for seasonal allergic rhinoconjunctivitis (Dahl et al). 2006;118: 434-40
Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy (Bauer et al). 2006;118:269-76
Immunologic response to administration of standardized dog allergen extract at differing doses (Lent et al). 2006;118:1249-56
Modulation of immunogenicity and allergenicity by controlling the number of immunostimulatory oligonucleotides linked to Amb a 1 (Higgins et al). 2006;118:504-10
Peanut allergen exposure through saliva: assessment and interventions to reduce exposure (Maloney et al). 2006;118:719-24
Persistent central memory phenotype of circulating Fel d 1 peptide/DRB1*0101 tetramer-binding $CD4^+$ T cells (Bateman et al). 2006;118: 1350-6
Predictive value of skin prick tests using recombinant allergens for diagnosis of peanut allergy (Astier et al). 2006;118:250-6
Prenatal initiation of endotoxin airway exposure prevents subsequent allergen-induced sensitization and airway inflammation in mice (Gerhold et al). 2006;118:666-73

Reduced allergenicity of tomato fruits harvested from Lyc e 1-silenced transgenic tomato plants (Le et al). 2006;118:1176-83
Serine protease inhibitors nafamostat mesilate and gabexate mesilate attenuate allergen-induced airway inflammation and eosinophilia in a murine model of asthma (Chen et al). 2006;118:105-12
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81
Washing the cat—the final answer? (Leung et al). 2006;118:294 (The editors' choice)

Allergic rhinitis; *see* Rhinitis, allergic

Allergic sensitizations; *see* Sensitizations

Allergies; *see also* Fish allergies; Food hypersensitivity; Ragweed allergy; *specific allergens; specific allergies*
Cat keeping, allergy, and asthma (Leung et al). 2006;118:542
CD1d restricted natural killer T cells are not required for allergic skin inflammation (Elkhal et al). 2006;118:1363-8
Challenge with environmental tobacco smoke exacerbates allergic airway disease in human beings (Diaz-Sanchez et al). 2006;118:441-6
Chemokine expression in allergic diseases (Fiset and Hamid). 2006;118:536-8 (Images in allergy and immunology)
Chemokines and their receptors in allergic disease (Pease and Williams). 2006;118:305-18 (Review)
Continuous hydromorphone infusion for opioid intolerance (Tcheurekdjian and Gundling). 2006;118:282-4 (Letters to the editor)
Cooking birch pollen–related food: divergent consequences for IgE- and T cell–mediated reactivity *in vitro* and *in vivo* (Bohle et al). 2006;118:242-9
Diesel exhaust exposure favors T_H2 cell recruitment in nonatopic subjects by differentially regulating chemokine production (Chang et al). 2006;118:354-60
Direct evidence for a critical role of CD30 in the development of allergic asthma (Polte et al). 2006;118:942-8
Do asthma and allergy influence subsequent pet keeping? An analysis of childhood and adulthood (Svanes et al). 2006;118:691-8
Does the hygiene hypothesis only hold true for lean people? (Leung et al). 2006;118:1197 (The editors' choice)
Does unconventional medicine work through conventional modes of action? (Niggemann and Grüber). 2006;118:569-73 (Rostrum)
Early-life supplementation of vitamins A and D, in water-soluble form or in peanut oil, and allergic diseases during childhood (Kull et al). 2006;118:1299-304
Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41
Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens (Brandt et al). 2006;118:420-7
Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy (Bauer et al). 2006;118:269-76
Genetic basis of allergy linked to skin protein (Zweiman and Rothenberg). 2006;118:292 (Beyond our pages)
Hyperosmolar conjunctival provocation for the evaluation of nonspecific hyperreactivity in healthy patients and patients with allergy (Sacchetti et al). 2006;118:872-7
IgE and IgG anti-house dust mite specificities in allergic disease (Hales et al). 2006;118:361-7
IL-25 enhances allergic airway inflammation by amplifying a T_H2 cell–dependent pathway in mice (Tamachi et al). 2006;118:606-14
Immune cell transcriptome datasets reveal novel leukocyte subset–specific genes and genes associated with allergic processes (Liu et al). 2006;118:496-503
Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization (Gabler et al). 2006;118:734-41
MCP-1 in obesity (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)
The natural history of asthma (Reed). 2006;118:543-8 (Review)
Neonatal exposure with LPS and/or allergen prevents experimental allergic airways disease: development of tolerance using environmental antigens (Wang and McCusker). 2006;118:143-51
A network-based analysis of the late-phase reaction of the skin (Benson et al). 2006;118:220-5
Poor sanitation and helminth infection protect against skin sensitization in Vietnamese children: a cross-sectional study (Flohr et al). 2006;118:1305-11
Position paper on molds is seriously flawed (Marinkovich). 2006;118:761-2 (Correspondence)
Rigor, transparency, and disclosure needed in mold position paper (Shoemaker et al). 2006;118:764-6 (Correspondence)
Risk factors for allergies in Vietnam (Leung et al). 2006;118:1197 (The editors' choice)
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)
Understanding the ingenuity of chemokines and their receptors (Bochner). 2006;118:321-3 (Editorial)

Allografts
Mast cells are essential for regulatory T-cell tolerance (Zweiman and Rothenberg). 2006;118:1390 (Beyond our pages)

Alpha-amylase
Rapid detection of fungal α-amylase in the work environment with a lateral flow immunoassay (Bogdanovic et al). 2006;118:1157-63
Alpha-enolase; *see* Phosphopyruvate hydratase
Alternaria
Alternaria exposure and asthma in US homes (Leung et al). 2006;118:771 (The editors' choice)
Exposure to *Alternaria alternata* in US homes is associated with asthma symptoms (Salo et al). 2006;118:892-8
Alternative medicine; *see* Complementary therapies
American Academy of Allergy, Asthma and Immunology (AAAAI)
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al) 2006;118:152-69. Correction. 2006;118:724
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al). 2006;118:152-69
Validation of current joint American Academy of Allergy, Asthma and Immunology and ACAAI guidelines for antibody response to the 23-valent pneumococcal vaccine using a population of HIV-infected children (Kamchaisatian et al). 2006;118:1336-41
Aminopeptidases
Purification of a novel aminopeptidase from the pollen of *Parietaria judaica* that alters epithelial integrity and degrades neuropeptides (Cortes et al). 2006;118:878-84
Amoxicillin; *see* Beta-lactams
Anaphylaxis
Advances in allergic skin disease, anaphylaxis, and hypersensitivity reactions to foods, drugs, and insects (Sicherer and Leung). 2006;118:170-7 (Review)
Analysis of the burden of treatment in patients receiving an EpiPen for yellow jacket anaphylaxis (Elberink et al). 2006;118:699-704
Benzocaine anaphylaxis (Vu and Lockey). 2006;118:534-5 (Letters to the editor)
K. Frank Austen, MD, and the biological characterization of slow-reacting substance of anaphylaxis and its molecular identification as the sulfidopeptide leukotrienes (Wasserman). 2006;118:976-8 (The allergy archives)
Angioedema
First case of homozygous C1 inhibitor deficiency (Blanch et al). 2006;118:1330-5
Homozygous C1 inhibitor deficiency: the conclusion of a long search (Frank and Atkinson). 2006;118:1327-9 (Editorial)
Animals, domestic
Cat allergen level: its determinants and relationship to specific IgE to cat across European centers (Heinrich et al). 2006;118:674-81
Cat and dust mite allergen levels in European homes (Leung et al). 2006;118:542 (The editors' choice)
Cat keeping, allergy, and asthma (Leung et al). 2006;118:542
Child-care center sandpits: a source of cat allergen (Fel d 1) (Siebers et al). 2006;118:533-4 (Letters to the editor)
Do asthma and allergy influence subsequent pet keeping? An analysis of childhood and adulthood (Svanes et al). 2006;118:691-8
Duration of airborne Fel d 1 reduction after cat washing (Nageotte et al). 2006;118:521-2 (Letters to the editor)
Gene-environment interactions with *CD14* C-260T and their relationship to total serum IgE levels in adults (Williams et al). 2006;118:851-7
Immunologic response to administration of standardized dog allergen extract at differing doses (Lent et al). 2006;118:1249-56
The increasing visibility of small airway involvement in asthma (Leung et al). 2006;118:984 (The editors' choice)
Influence of dog ownership and high endotoxin on wheezing and atopy during infancy (Campo et al). 2006;118:1271-8
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81
Washing the cat—the final answer? (Leung et al). 2006;118:294 (The editors' choice)
Anisakis
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Daschner). 2006;118:968 (Correspondence); Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)
Anti-inflammatory agents
The functional benefit of anti-inflammatory aerosols in the lung periphery (Verbanck et al). 2006;118:340-6
Small airway disease: a riddle wrapped in a mystery inside an enigma (Colice). 2006;118:337-9 (Editorial)
Anti-inflammatory agents, non-steroidal
Clinical and pathologic perspectives on aspirin sensitivity and asthma (Stevenson and Szczeklik). 2006;118:773-86 (Review)
Antibiotics
Are antibiotics effective for acute purulent rhinitis? (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)
Antibodies, bispecific
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118:1082-9

Antifungal agents
Amphotericin B nasal lavages: not a solution for patients with chronic rhinosinusitis (Ebbens et al). 2006;118:1149-56

Antigens
Neonatal exposure with LPS and/or allergen prevents experimental allergic airways disease: development of tolerance using environmental antigens (Wang and McCusker). 2006;118: 143-51

Antigens, CD
An antibody-deficiency syndrome due to mutations in the CD19 gene (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)
Association between farm exposure and atopy, according to the CD14 C-159T polymorphism (Leynaert et al). 2006;118:658-65
CD1d restricted natural killer T cells are not required for allergic skin inflammation (Elkhal et al). 2006;118:1363-8
Direct evidence for a critical role of CD30 in the development of allergic asthma (Polte et al). 2006;118:942-8
Does CD14C-159T modulate the effect of farm exposure on allergy? (Leung et al). 2006;118:542 (The editors' choice)
Epigallocatechin gallate, the main polyphenol in green tea, binds to the T-cell receptor, CD4: potential for HIV-1 therapy (Williamson et al). 2006;118: 1369-74
Expression of CD103 identifies human regulatory T-cell subsets (Allakhverdi et al). 2006;118: 1342-9
Gene-environment interactions with *CD14* C-260T and their relationship to total serum IgE levels in adults (Williams et al). 2006;118:851-7
A novel innate immunity gene confers risk of allergic disease (Leung et al). 2006;118:1 (The editors' choice)
Susceptibility of pediatric HIV-1 isolates to recombinant CD4-IgG_2 (PRO 542) and humanized mAb to the chemokine receptor CCR5 (PRO 140) (Shearer et al). 2006;118:518-21 (Letters to the editor)
Thymic output markers indicate immune dysfunction in DiGeorge syndrome (Lavi et al). 2006;118: 1184-6 (Letters to the editor)

Antigens, Dermatophagoides
Distribution and determinants of house dust mite allergens in Europe: the European Community Respiratory Health Survey II (Zock et al). 2006;118:682-90
House dust mite allergen hierarchy defined (Leung et al). 2006;118:294 (The editors' choice)
IgE and IgG anti-house dust mite specificities in allergic disease (Hales et al). 2006;118:361-7
The metal binding site of the major house dust mite allergen Der p 1 (Meno et al). 2006;118:971 (Correspondence)

Antigens, fungal
Alternaria exposure and asthma in US homes (Leung et al). 2006;118:771 (The editors' choice)

Anti–interleukin-5
Anti–IL-5 is a promising therapy for eosinophilic esophagitis (Leung et al). 2006;118:1197 (The editors' choice)
Anti–IL-5 (mepolizumab) therapy for eosinophilic esophagitis (Stein et al). 2006;118:1312-9

Antimicrobial cationic peptides
Innate peptide critical for protection against urinary tract infections (Zweiman and Rothenberg). 2006;118:1196 (Beyond our pages)

Antiretroviral therapy
Absence of detectable viremia in a perinatally HIV-1–infected teenager after discontinuation of antiretroviral therapy (Feeney et al). 2006;118: 324-30 (Case study)

Apoptosis
Ligation of intercellular adhesion molecule 3 induces apoptosis of human blood eosinophils and neutrophils (Kessel et al). 2006;118:831-6

Apple hypersensitivity
Apple allergy across Europe: how allergen sensitization profiles determine the clinical expression of allergies to plant foods (Fernández-Rivas et al). 2006;118:481-8

Arginine
Response to long-acting β-agonists not affected by receptor genotype (Leung et al). 2006;118:772 (The editors' choice)

Asperger syndrome
Evidence against measles immunization as a cause of pervasive neurologic disorders in childhood (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)

Aspiration
Aspiration before immunotherapy injection is not required (Waibel). 2006;118:525-6 (Letters to the editor)

Aspirin
Clinical and pathologic perspectives on aspirin sensitivity and asthma (Stevenson and Szczeklik). 2006;118:773-86 (Review)
Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)
Selection of patients for aspirin desensitization treatment (Stevenson and Simon). 2006;118:801-4 (Editorial)

Asthma
Activator protein I dysregulation implicated in glucocorticoid resistant asthma (Leung et al). 2006;118:293 (The editors' choice)
Adiponectin attenuates allergen-induced airway inflammation and hyperresponsiveness in mice (Shore et al). 2006;118:389-95

Airway cytokine expression measured by means of protein array in exhaled breath condensate: correlation with physiologic properties in asthmatic patients (Matsunaga et al). 2006;118: 84-90

Airway inflammation assessed by invasive and noninvasive means in severe asthma: eosinophilic and noneosinophilic phenotypes (Lemière et al). 2006;118:1033-9

Alternaria exposure and asthma in US homes (Leung et al). 2006;118:771 (The editors' choice)

Another tale of poor patient adherence with controller therapy (Leung et al). 2006;118:771 (The editors' choice)

Association between farm exposure and atopy, according to the CD14 C-159T polymorphism (Leynaert et al). 2006;118:658-65

Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34

Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)

Autoimmune diseases in asthmatic individuals (Zweiman and Rothenberg). 2006;118:981-2 (Beyond our pages)

Biologic immune modifiers: Trials and tribulations—are we there yet? (Ballow). 2006;118:1209-15 (Review)

Biomarker-driven care in asthma: Are we there? (Deykin). 2006;118:565-8 (Review)

Biophysical determinants of toluene diisocyanate antigenicity associated with exposure and asthma (Ye et al). 2006;118:885-91

Blockade of asthma by modifying costimulatory signaling (Zweiman and Rothenberg). 2006;118: 292 (Beyond our pages)

Bronchial responsiveness to leukotriene D_4 is resistant to inhaled fluticasone propionate (Gyllfors et al). 2006;118:78-83

Bronchial thermoplasty for asthma (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)

Bronchial thermoplasty—a worthwhile therapy in asthma (Zweiman and Rothenberg). 2006;118:291 (Beyond our pages)

Buffering airway acid decreases exhaled nitric oxide in asthma (Gaston et al). 2006;118:817-22

Carbon in airway macrophages and lung function in children (Zweiman and Rothenberg). 2006;118: 1195-6 (Beyond our pages)

Cat keeping, allergy, and asthma (Leung et al). 2006;118:542

Central obesity is associated with nonatopic but not atopic asthma in a representative population sample (Appleton et al). 2006;118:1284-91

Challenge with environmental tobacco smoke exacerbates allergic airway disease in human beings (Diaz-Sanchez et al). 2006;118:441-6

Changes in specific IgE and IgG and monocyte chemoattractant protein-1 in workers with occupational asthma caused by diisocyanates and removed from exposure (Malo et al). 2006;118: 530-3 (Letters to the editor)

Chemokine expression in allergic diseases (Fiset and Hamid). 2006;118:536-8 (Images in allergy and immunology)

Clinical and pathologic perspectives on aspirin sensitivity and asthma (Stevenson and Szczeklik). 2006;118:773-86 (Review)

Control of airway inflammation maintained at a lower steroid dose with 100/50 μg of fluticasone propionate/salmeterol (Jarjour et al). 2006;118: 44-52

Correlation between peripheral blood T-cell profiles and airway inflammation in atopic asthma (Shirai et al). 2006;118:622-6

Correlation of *FCERIB* gene haplotypes with histamine release from basophils in atopic asthma (Sharma et al). 2006;118:960-3 (Letters to the editor)

Could infection with oral pathogens be beneficial for allergic disease? (Leung et al). 2006;118:983 (The editors' choice)

The course of allergen-induced leukocyte infiltration in human and experimental asthma (Lommatzsch et al). 2006;118:91-7

Detection of novel occupational wood allergens in locust wood dust *(Robinia pseudoacacia L.)* (Kespohl et al) 2006;118:522-4. Correction. 2006;118:1189

Detection of novel occupational wood allergens in locust wood dust (*Robinia pseudoacacia* L.) (Kespohl et al). 2006;118:522-4 (Letters to the editor)

Determinants of future long-term asthma control (Schatz et al). 2006;118:1048-53

Diagnosis (Bukstein et al). 2006;118:S5

Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)

Direct evidence for a critical role of CD30 in the development of allergic asthma (Polte et al). 2006;118:942-8

Distribution and determinants of house dust mite allergens in Europe: the European Community Respiratory Health Survey II (Zock et al). 2006;118:682-90

Do asthma and allergy influence subsequent pet keeping? An analysis of childhood and adulthood (Svanes et al). 2006;118:691-8

Does CD14C-159T modulate the effect of farm exposure on allergy? (Leung et al). 2006;118:542 (The editors' choice)

The effect of telithromycin treatment in acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:539-40 (Beyond our pages)

Effects of a budesonide-formoterol combination as reliever therapy in preventing acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)

End points and outcomes (Bukstein et al). 2006;118:S1

Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41

Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); Kelly et al). 2006;118:970-1 (Letter reply)

Exposure to *Alternaria alternata* in US homes is associated with asthma symptoms (Salo et al). 2006;118:892-8

Expression of nonmuscle cofilin-1 and steroid responsiveness in severe asthma (Vasavda et al). 2006;118:1090-6

Fine mapping and positional candidate studies of chromosome 5p13 identify multiple asthma susceptibility loci (Kurz et al). 2006;118: 396-402

The functional benefit of anti-inflammatory aerosols in the lung periphery (Verbanck et al). 2006;118: 340-6

Health care needs assessment (Bukstein et al). 2006;118:S6

Heaves, an asthma-like equine disease, involves airway smooth muscle remodeling (Herszberg et al). 2006;118:382-8

High-dose inhaled fluticasone is not as effective as oral steroids for moderate acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)

How epidemiology has challenged 3 prevailing concepts about atopic dermatitis (Williams and Flohr). 2006;118:209-13 (Rostrum)

Identification of α-enolase as an autoantigen associated with severe asthma (Nahm et al). 2006;118:376-81

IgE and IgG anti-house dust mite specificities in allergic disease (Hales et al). 2006;118:361-7

IL-4 induces IL-13–independent allergic airway inflammation (Perkins et al). 2006;118: 410-9

IL-13 receptor α 2: a regulator of IL-13 and IL-4 signal transduction in primary human fibroblasts (Andrews et al). 2006;118:858-65

The increasing visibility of small airway involvement in asthma (Leung et al). 2006;118:984 (The editors' choice)

Inhaled corticosteroids, long-acting β-agonists, and specialist care foster good asthma control (Leung et al). 2006;118:983 (The editors' choice)

Is the allergic rhinitis and its impact on asthma classification useful in daily primary care practice? (Hoecke et al). 2006;118:758-9 (Letters to the editor)

Lack of filaggrin expression in the human bronchial mucosa (Ying et al). 2006;118:1386-8 (Letters to the editor)

Leukotriene responsiveness is unaffected by inhaled corticosteroids (Leung et al). 2006;118:1 (The editors' choice)

Mechanisms of airway hyperresponsiveness (Cockcroft and Davis). 2006;118:551-9 (Review)

Mild persistent asthma: Is any treatment needed? (Lazarus). 2006;118:805-8 (Review)

Mild to moderate asthma affects lung growth in children and adolescents (Strunk et al). 2006;118: 1040-7

Montelukast regulates eosinophil protease activity through a leukotriene-independent mechanism (Langlois et al). 2006;118:113-9

The natural history of asthma (Reed). 2006;118:543-8 (Review)

No masking of inflammation with long-acting β_2-agonists (Leung et al). 2006;118:2 (The editors' choice)

A novel innate immunity gene confers risk of allergic disease (Leung et al). 2006;118:1 (The editors' choice)

Oral pathogens and allergic disease: results from the Third National Health and Nutrition Examination Survey (Arbes et al). 2006;118:1169-75

Periostin: A novel component of subepithelial fibrosis of bronchial asthma downstream of IL-4 and IL-13 signals (Takayama et al). 2006;118:98-104

Peroxisome proliferator activated receptor-γ modulates reactive oxygen species generation and activation of nuclear factor-κB and hypoxia-inducible factor 1α in allergic airway disease of mice (Lee et al). 2006;118:120-7

Persistence, adherence, and effectiveness of combination therapy among adult patients with asthma (Marceau et al). 2006;118:574-81

Phosphoinositide 3-kinase-δ inhibitor reduces vascular permeability in a murine model of asthma (Lee et al). 2006;118:403-9

Polymorphisms in the novel gene acyloxyacyl hydroxylase *(AOAH)* are associated with asthma and associated phenotypes (Barnes et al). 2006;118:70-7

Position paper on molds is seriously flawed (Marinkovich). 2006;118:761-2 (Correspondence)

A possible mechanism in corticosteroid-insensitive asthma (Zweiman and Rothenberg). 2006;118: 1389-90 (Beyond our pages)

Predicting episodes of poor asthma control in treated patients with asthma (McCoy). 2006;118: 1226-33

Proinflammatory effects of IL-4 antagonism (Steinke et al). 2006;118:756-8 (Letters to the editor)

The *PTGDR* gene is not associated with asthma in 3 ethnically diverse populations (Tsai et al). 2006;118:1242-8

Pulmonary distribution, regulation, and functional role of Trk receptors in a murine model of asthma (Nassenstein et al). 2006;118:597-605
Recent progress in the biology of airway dendritic cells and implications for understanding the regulation of asthmatic inflammation (Hammad and Lambrecht). 2006;118:331-6 (Review)
Redefining CD4 cells in asthma (Zweiman and Rothenberg). 2006;118:292 (Beyond our pages)
Respiratory viral infections drive chemokine expression and exacerbate the asthmatic response (Schaller et al). 2006;118:295-302 (Review)
Response to long-acting β-agonists not affected by receptor genotype (Leung et al). 2006;118:772 (The editors' choice)
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118: 1082-9
Rhinoviruses in the pathogenesis of asthma: the bronchial epithelium as a major disease target (Holgate). 2006;118:587-90 (Editorial)
Risk factors for exacerbations of asthma (Leung et al). 2006;118:1198 (The editors' choice)
The role of leukotrienes in airway inflammation (Ogawa and Calhoun). 2006;118:789-98 (Review)
Role of small airways in asthma: investigation using high-resolution computed tomography (Ueda et al). 2006;118:1019-25
Salmeterol response is not affected by β_2-adrenergic receptor genotype in subjects with persistent asthma (Bleecker et al). 2006;118:809-16
Serine protease inhibitors nafamostat mesilate and gabexate mesilate attenuate allergen-induced airway inflammation and eosinophilia in a murine model of asthma (Chen et al). 2006;118: 105-12
Short-term effects of smoking cessation in asthmatic individuals (Zweiman and Rothenberg). 2006;118: 769 (Beyond our pages)
Simple monitoring system of airway inflammation (Leung et al). 2006;118:1 (The editors' choice)
Small airway disease: a riddle wrapped in a mystery inside an enigma (Colice). 2006;118:337-9 (Editorial)
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81
Successful management of mite-allergic asthma with modified extracts of *Dermatophagoides pteronyssinus* and *Dermatophagoides farinae* in a double-blind, placebo-controlled study (Garcia-Robaina et al). 2006;118:1026-32
Systemic glucocorticoid reduces bronchial mucosal activation of activator protein 1 components in glucocorticoid-sensitive but not glucocorticoid-resistant asthmatic patients (Loke et al). 2006;118:368-75
Targeting the inhibitory receptor CD300a on $CCR3^+$ cells: a new tool for anti-asthmatic treatment (Leung et al). 2006;118:983 (The editors' choice)
Treatment protocols (Bukstein et al). 2006;118:S5
Treatment with inhaled corticosteroids in young children with wheezing (Zweiman and Rothenberg). 2006;118:769 (Beyond our pages)

Asthma, pediatric

Among young children who wheeze, which children will have persistent asthma? (Shapiro). 2006;118: 562-4 (Editorial)
Asthma, influenza, and vaccination (Glezen). 2006;118:1199-206 (Review)
Cysteinyl leukotrienes are important mediators of persistent disease in children with moderate/severe asthma (Leung et al). 2006;118:541 (The editors' choice)
Effect of montelukast on exhaled leukotriene E_4 in asthmatic children (Leung et al). 2006;118:293 (The editors' choice)
Effects of a leukotriene receptor antagonist on exhaled leukotriene E_4 and prostanoids in children with asthma (Montuschi et al). 2006;118:347-53
A failed trial of primary prevention of atopy (Leung et al). 2006;118:2 (The editors' choice)
Features of severe asthma in school-age children: atopy and increased exhaled nitric oxide (Fitzpatrick et al). 2006;118:1218-25
Genes and oxidative stress in childhood asthma (Leung et al). 2006;118:984 (The editors' choice)
The genetics of atopic dermatitis (Morar et al). 2006;118:24-34 (Review); Morar et al) 2006;118: 24-34. Correction. 2006;118:559
Human rhinovirus in bronchial epithelium of infants with recurrent respiratory symptoms (Malmström et al). 2006;118:591-6
Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids (de Jong et al). 2006;118: 280-2 (Letters to the editor)
Once-daily ciclesonide treatment of persistent asthma in children (Zweiman and Rothenberg). 2006;118: 539 (Beyond our pages)
Oxidative stress and genetic and epidemiologic determinants of oxidant injury in childhood asthma (Ercan et al). 2006;118:1097-1104
Preterm delivery and asthma: a systemic review and meta-analysis (Jaakkola et al). 2006;118: 823-30
Prevention of asthma during the first 5 years of life: a randomized controlled trial (Marks et al). 2006;118:53-61
Swimming pool attendance and exhaled nitric oxide in children (Carraro et al). 2006;118:958-60 (Letters to the editor)
Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Atopic dermatitis; *see* Dermatitis, atopic
Atopic march
Filaggrin loss-of-function mutations predispose to phenotypes involved in the atopic march (Marenholz et al). 2006;118:866-71
The skin barrier and its role in the atopic march (Leung et al). 2006;118:771 (The editors' choice)
Atopy
Association between farm exposure and atopy, according to the CD14 C-159T polymorphism (Leynaert et al). 2006;118:658-65
Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34
Central obesity is associated with nonatopic but not atopic asthma in a representative population sample (Appleton et al). 2006;118:1284-91
Does CD14C-159T modulate the effect of farm exposure on allergy? (Leung et al). 2006;118:542 (The editors' choice)
Effects of a leukotriene receptor antagonist on exhaled leukotriene E_4 and prostanoids in children with asthma (Montuschi et al). 2006;118:347-53
Endotoxin exposure, wheezing, and rash in infancy in a New Zealand birth cohort (Gillespie et al). 2006;118:1265-70
Epicutaneous aeroallergen exposure induces systemic T_H2 immunity that predisposes to allergic nasal responses (Akei et al). 2006;118:62-9
A failed trial of primary prevention of atopy (Leung et al). 2006;118:2 (The editors' choice)
Features of severe asthma in school-age children: atopy and increased exhaled nitric oxide (Fitzpatrick et al). 2006;118:1218-25
Influence of dog ownership and high endotoxin on wheezing and atopy during infancy (Campo et al). 2006;118:1271-8
The interaction of *IL1A* and endothelial nitric oxide synthase polymorphisms is associated with the degree of atopy (Pessi et al). 2006;118:284-6 (Letters to the editor)
Noninvasive methods for the detection of upper and lower airway inflammation in atopic children (Profita et al). 2006;118:1068-74
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Daschner). 2006;118:968 (Correspondence); Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)
Sex-related differences in immune development and the expression of atopy in early childhood (Uekert et al). 2006;118:1375-81
Austen, K. Frank
K. Frank Austen, MD, and slow-reacting substance of anaphylaxis in the sulfidopeptide leukotriene era (Wasserman). 2006;118:978-80 (The allergy archives)
K. Frank Austen, MD, and the biological characterization of slow-reacting substance of anaphylaxis and its molecular identification as the sulfidopeptide leukotrienes (Wasserman). 2006;118:976-8 (The allergy archives)
Autism
Evidence against measles immunization as a cause of pervasive neurologic disorders in childhood (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)
Autoantibodies
Identification of α-enolase as an autoantigen associated with severe asthma (Nahm et al). 2006;118:376-81
Autoantigens
Identification of α-enolase as an autoantigen associated with severe asthma (Nahm et al). 2006;118:376-81
Autoimmune disease
FOXP3 mutations in autoimmunity (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)
Autoimmune diseases
Autoimmune diseases in asthmatic individuals (Zweiman and Rothenberg). 2006;118:981-2 (Beyond our pages)
Azathioprine
Azathioprine therapy of severe atopic dermatitis in adults (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)

B

B lymphocytes
An antibody-deficiency syndrome due to mutations in the CD19 gene (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)
Basophils
Correlation of *FCERIB* gene haplotypes with histamine release from basophils in atopic asthma (Sharma et al). 2006;118:960-3 (Letters to the editor)
Initial Fc∈RI-mediated signal strength plays a key role in regulating basophil signaling and deactivation (Gibbs et al). 2006;118:1060-7
Bedding and linens
Cat allergen level: its determinants and relationship to specific IgE to cat across European centers (Heinrich et al). 2006;118:674-81
Distribution and determinants of house dust mite allergens in Europe: the European Community Respiratory Health Survey II (Zock et al). 2006;118:682-90
Mite penetration of different types of material claimed as mite proof by the Siriraj chamber method (Mahakittikun et al). 2006;118:1164-8
Benzocaine
Benzocaine anaphylaxis (Vu and Lockey). 2006;118:534-5 (Letters to the editor)
Beta-adrenergic receptor agonists; *see* Adrenergic beta-agonists
Beta-adrenergic receptors; *see* Receptors, adrenergic, beta
Beta-lactams
Potential involvement of dendritic cells in delayed-type hypersensitivity reactions to

β-lactams (Rodriguez-Pena et al). 2006;118: 949-55

Binding sites
The metal binding site of the major house dust mite allergen Der p 1 (Meno et al). 2006;118:971 (Correspondence)

Biologic agents
Biologic immune modifiers: Trials and tribulations—are we there yet? (Ballow). 2006;118:1209-15 (Review)

Biomarkers
Advantages and disadvantages (Bukstein et al). 2006;118:S11
Disease progression (Bukstein et al). 2006;118: S13

Biopsy
Airway inflammation assessed by invasive and noninvasive means in severe asthma: eosinophilic and noneosinophilic phenotypes (Lemière et al). 2006;118:1033-9

Biostatistical methods
Eligibility criteria (Meltzer et al). 2006;118:S59
Interim analyses and stopping rules (Meltzer et al). 2006;118:S59
Measurement (Meltzer et al). 2006;118:S59
Outcome variables (Meltzer et al). 2006;118:S59
Randomization (Meltzer et al). 2006;118:S59
Sample size calculations (Meltzer et al). 2006;118: S59
Trial design (Meltzer et al). 2006;118:S59

Body mass index
Central obesity is associated with nonatopic but not atopic asthma in a representative population sample (Appleton et al). 2006;118:1284-91

Breath test
Airway cytokine expression measured by means of protein array in exhaled breath condensate: correlation with physiologic properties in asthmatic patients (Matsunaga et al). 2006;118: 84-90
Simple monitoring system of airway inflammation (Leung et al). 2006;118:1 (The editors' choice)

Bronchi
Bronchial thermoplasty—a worthwhile therapy in asthma (Zweiman and Rothenberg). 2006;118:291 (Beyond our pages)
Periostin: A novel component of subepithelial fibrosis of bronchial asthma downstream of IL-4 and IL-13 signals (Takayama et al). 2006;118: 98-104
Rhinoviruses in the pathogenesis of asthma: the bronchial epithelium as a major disease target (Holgate). 2006;118:587-90 (Editorial)

Bronchial hyperreactivity
Bronchial responsiveness to leukotriene D_4 is resistant to inhaled fluticasone propionate (Gyllfors et al). 2006;118:78-83

Bronchial hyperresponsiveness; *see* Airway hyperresponsiveness

Bronchial mucosa
Lack of filaggrin expression in the human bronchial mucosa (Ying et al). 2006;118:1386-8 (Letters to the editor)
Systemic glucocorticoid reduces bronchial mucosal activation of activator protein 1 components in glucocorticoid-sensitive but not glucocorticoid-resistant asthmatic patients (Loke et al). 2006;118:368-75

Bronchial thermoplasty
Bronchial thermoplasty for asthma (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)

Bronchitis
Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); Kelly et al). 2006;118:970-1 (Letter reply)

Bronchoalveolar lavage (BAL)
The course of allergen-induced leukocyte infiltration in human and experimental asthma (Lommatzsch et al). 2006;118:91-7

Budesonide
Effects of a budesonide-formoterol combination as reliever therapy in preventing acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)

Buffers
Buffering airway acid decreases exhaled nitric oxide in asthma (Gaston et al). 2006;118:817-22

C

Carbamazepine
Activation of T cells by carbamazepine and carbamazepine metabolites (Wu et al). 2006;118: 233-41

Carbon
Carbon in airway macrophages and lung function in children (Zweiman and Rothenberg). 2006;118: 1195-6 (Beyond our pages)

Catechin
Epigallocatechin gallate, the main polyphenol in green tea, binds to the T-cell receptor, CD4: potential for HIV-1 therapy (Williamson et al). 2006;118: 1369-74

Cathelicidin antimicrobial peptides; *see* Antimicrobial cationic peptides

Cats; *see* Animals, domestic

CC chemokine receptor 3
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118: 1082-9
Targeting the inhibitory receptor CD300a on $CCR3^+$ cells: a new tool for anti-asthmatic treatment (Leung et al). 2006;118:983 (The editors' choice)

CC chemokine receptor 7
Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41

CCR3; *see* CC chemokine receptor 3
CD Antigen; *see* Antigens, CD
CD300a; *see* Receptors, immunologic
Celecoxib; *see* Cyclooxygenase inhibitors
Celiac disease
Reprogramming CTL cells into natural killer–like cells in celiac disease (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)
Chemiluminescence
Airway cytokine expression measured by means of protein array in exhaled breath condensate: correlation with physiologic properties in asthmatic patients (Matsunaga et al). 2006;118: 84-90
Chemokines
Chemokine expression in allergic diseases (Fiset and Hamid). 2006;118:536-8 (Images in allergy and immunology)
Chemokines and their receptors in allergic disease (Pease and Williams). 2006;118:305-18 (Review)
Cytokines and chemokines orchestrate atopic skin inflammation (Homey et al). 2006;118:178-89 (Review)
Diesel exhaust exposure favors T_H2 cell recruitment in nonatopic subjects by differentially regulating chemokine production (Chang et al). 2006;118: 354-60
Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41
Human subjects without peanut allergy demonstrate T cell–dependent, T_H2-biased, peanut-specific cytokine and chemokine responses independent of T_H1 expression (Thottingal et al). 2006;118: 905-14
Immunopathology of atopic dermatitis (Fiset et al). 2006;118:287-90 (Images in allergy and immunology)
Respiratory viral infections drive chemokine expression and exacerbate the asthmatic response (Schaller et al). 2006;118:295-302 (Review)
Understanding the ingenuity of chemokines and their receptors (Bochner). 2006;118:321-3 (Editorial)
Chemokines, CC
Nasal IL-5 levels determine the response to anti–IL-5 treatment in patients with nasal polyps (Gevaert et al). 2006;118:1133-41
Chestnut allergy
Differential allergen sensitization patterns in chestnut allergy with or without associated latex-fruit syndrome (Sánchez-Monge et al). 2006;118: 705-10
Child day care centers
Child-care center sandpits: a source of cat allergen (Fel d 1) (Siebers et al). 2006;118:533-4 (Letters to the editor)
Children; *see* Asthma, pediatric
Accidental ingestions in children with peanut allergy (Yu et al). 2006;118:466-72
The atopy patch test in the diagnostic workup of suspected food-related symptoms in children (Mehl et al). 2006;118:923-9
Carbon in airway macrophages and lung function in children (Zweiman and Rothenberg). 2006;118: 1195-6 (Beyond our pages)
Evidence against measles immunization as a cause of pervasive neurologic disorders in childhood (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)
Food intolerance and wheezing in young South Asian and white children: prevalence and clinical significance (Kuehni et al). 2006;118:528-30 (Letters to the editor)
Treatment with inhaled corticosteroids in young children with wheezing (Zweiman and Rothenberg). 2006;118:769 (Beyond our pages)
Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40
Validation of current joint American Academy of Allergy, Asthma and Immunology and ACAAI guidelines for antibody response to the 23-valent pneumococcal vaccine using a population of HIV-infected children (Kamchaisatian et al). 2006;118:1336-41
Chlorine derivatives
Swimming pool attendance and exhaled nitric oxide in children (Carraro et al). 2006;118:958-60 (Letters to the editor)
Cholesterol
Cholesterol and mast cells (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)
Ciclesonide
Efficacy and safety of ciclesonide nasal spray for the treatment of seasonal allergic rhinitis (Ratner et al). 2006;118:1142-8
Once-daily ciclesonide treatment of persistent asthma in children (Zweiman and Rothenberg). 2006;118: 539 (Beyond our pages)
Clinical trial, anti-inflammatory, acute presumed bacterial rhinosinusitis
Definition, background, rationale (Meltzer et al). 2006;118:S30
Design (Meltzer et al). 2006;118:S31
Objectives (Meltzer et al). 2006;118:S30
Clinical trial, anti-inflammatory, chronic allergic fungal rhinosinusitis
Definition, background, rationale (Meltzer et al). 2006;118:S43
Design (Meltzer et al). 2006;118:S44
Objectives (Meltzer et al). 2006;118:S44
Clinical trial, anti-inflammatory, chronic rhinosinusitis with nasal polyps
Definition, background, rationale (Meltzer et al). 2006;118:S40
Design (Meltzer et al). 2006;118:S41
Objectives (Meltzer et al). 2006;118:S41

Clinical trial, anti-inflammatory, chronic rhinosinusitis without nasal polyps
Definition, background, rationale (Meltzer et al). 2006;118:S35
Design (Meltzer et al). 2006;118:S35
Objectives (Meltzer et al). 2006;118:S35
Clinical trial, antimicrobial, acute presumed bacterial rhinosinusitis
Biostatistical methods (Meltzer et al). 2006;118:S28
Definition, background, rationale (Meltzer et al). 2006;118:S21
Design (Meltzer et al). 2006;118:S26
Efficacy assessments (Meltzer et al). 2006;118:S27
Objectives (Meltzer et al). 2006;118:S21
Population (Meltzer et al). 2006;118:S26
Safety assessments (Meltzer et al). 2006;118:S28
Clinical trial, antimicrobial, chronic allergic fungal rhinosinusitis
Definition, background, rationale (Meltzer et al). 2006;118:S42
Design (Meltzer et al). 2006;118:S42
Objectives (Meltzer et al). 2006;118:S42
Population (Meltzer et al). 2006;118:S43
Clinical trial, antimicrobial, chronic rhinosinusitis with nasal polyps
Definition, background, rationale (Meltzer et al). 2006;118:S37
Design (Meltzer et al). 2006;118:S38
Efficacy assessments (Meltzer et al). 2006;118:S40
Objectives (Meltzer et al). 2006;118:S38
Population (Meltzer et al). 2006;118:S40
Clinical trial, antimicrobial, chronic rhinosinusitis without nasal polyps
Biostatistical methods (Meltzer et al). 2006;118:S35
Definition, background, rationale (Meltzer et al). 2006;118:S32
Design (Meltzer et al). 2006;118:S32
Objectives (Meltzer et al). 2006;118:S32
Population (Meltzer et al). 2006;118:S34
Clinical trial, symptom-reliever, acute presumed bacterial rhinosinusitis
Definition, background, rationale (Meltzer et al). 2006;118:S31
Design (Meltzer et al). 2006;118:S31
Objectives (Meltzer et al). 2006;118:S31
Clinical trial, symptom-reliever, chronic rhinosinusitis without nasal polyps
Definition, background, rationale (Meltzer et al). 2006;118:S36
Design (Meltzer et al). 2006;118:S36
Objectives (Meltzer et al). 2006;118:S36
Clinical trial, symptom-reliever or mediator-blocker, chronic allergic fungal rhinosinusitis
Definition, background, rationale (Meltzer et al). 2006;118:S44
Design (Meltzer et al). 2006;118:S44
Objectives (Meltzer et al). 2006;118:S44
Clinical trial, symptom-reliever or mediator-blocker, chronic rhinosinusitis with nasal polyps
Definition, background, rationale (Meltzer et al). 2006;118:S41
Design (Meltzer et al). 2006;118:S42
Objectives (Meltzer et al). 2006;118:S42
Clinical trials
Biostatistical methods (Meltzer et al). 2006;118:S59
Components guide (Meltzer et al). 2006;118:S19
Overview (Meltzer et al). 2006;118:S18
Cofilin 1
Expression of nonmuscle cofilin-1 and steroid responsiveness in severe asthma (Vasavda et al). 2006;118:1090-6
Colitis
Differential role of toll-like receptors in experimental colitis (Zweiman and Rothenberg). 2006;118:1196 (Beyond our pages)
Colon
Resistin-like molecule β regulates innate colonic function: Barrier integrity and inflammation susceptibility (Hogan et al). 2006;118:257-68
Combined modality therapy
Does unconventional medicine work through conventional modes of action? (Niggemann and Grüber). 2006;118:569-73 (Rostrum)
Complement 1 inactivators
First case of homozygous C1 inhibitor deficiency (Blanch et al). 2006;118:1330-5
Homozygous C1 inhibitor deficiency: the conclusion of a long search (Frank and Atkinson). 2006;118:1327-9 (Editorial)
Complementary therapies
Does unconventional medicine work through conventional modes of action? (Niggemann and Grüber). 2006;118:569-73 (Rostrum)
Conflict of interest
The medical effects of mold exposure (Platts-Mills). 2006;118:768 (Correspondence)
Nondisclosure of conflicts of interest is perilous to the advancement of science (Kilburn et al). 2006;118:766-7 (Correspondence)
Conjunctivitis
Hyperosmolar conjunctival provocation for the evaluation of nonspecific hyperreactivity in healthy patients and patients with allergy (Sacchetti et al). 2006;118:872-7
Connective tissue
A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57
Connell, John T.
John T. Connell (Dworetzky). 2006;118:1192-4 (The allergy archives)
Nasal priming (Sahin-Yilmaz et al). 2006;118:1190-1 (The allergy archives)
Consensus
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and

Immunology/PRACTALL Consensus Report (Akdis et al) 2006;118:152-69. Correction. 2006;118:724
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al). 2006;118:152-69, 152-69 (PRACTALL Consensus report)

Continuing Medical Education examination. 2006;118: 22-3, 35-6, 303-4, 319-20, 549, 560, 787, 799, 1015, 1207-8, 1216-7

Cookery
Cooking birch pollen–related food: divergent consequences for IgE- and T cell–mediated reactivity *in vitro* and *in vivo* (Bohle et al). 2006;118:242-9

Corrections
Advances in basic and clinical immunology (Chinen et al) (2006;118:489-95). 2006;118:956
Detection of novel occupational wood allergens in locust wood dust *(Robinia pseudoacacia L.)* (Kespohl et al) (2006;118:522-4). 2006;118: 1189
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al) (2006;118:152-69). 2006;118:724
The genetics of atopic dermatitis (Morar et al) (2006;118:24-34). 2006;118:559
Loss-of-function variations within the filaggrin gene predispose for atopic dermatitis with allergic sensitizations (Weidinger et al) (2006;118:214-9). 2006;118:922
Single nucleotide polymorphisms of the *IL18* gene are associated with atopic eczema (Novak et al) (2005;115:828-33). 2006;118:1319

Correspondence; *see also* Letters to the editor
Adverse health effects of indoor mold exposure (Lieberman et al). 2006;118:763 (Correspondence)
Adverse reactions to fungal metabolic products in mold-contaminated areas (Goldstein). 2006;118: 760-1 (Correspondence)
Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); (Kelly et al). 2006;118:970-1 (Letter reply)
How solid is the Academy position paper on mold exposure? (Strickland). 2006;118:763-4 (Correspondence)
The medical effects of mold exposure (Platts-Mills). 2006;118:768 (Correspondence); (Wood and Bush). 2006;118:767-8 (Letter reply)
Nondisclosure of conflicts of interest is perilous to the advancement of science (Kilburn et al). 2006;118: 766-7 (Correspondence)
Position paper on molds is seriously flawed (Marinkovich). 2006;118:761-2 (Correspondence)
Respirable trichothecene mycotoxins can be demonstrated in the air of *Stachybotrys chartarum*–contaminated buildings (Straus and Wilson). 2006;118:760 (Correspondence)
Rigor, transparency, and disclosure needed in mold position paper (Shoemaker et al). 2006;118:764-6 (Correspondence)
The role of airborne mold in chronic rhinosinusitis (Ponikau and Sherris). 2006;118:762-3 (Correspondence)
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Daschner). 2006;118:968 (Correspondence); (Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)

Corticosteroids; *see also specific Corticosteroids; specific corticosteroids*
β-Adrenergic receptor polymorphism and responses to salmeterol (Zweiman and Rothenberg). 2006;118: 539 (Beyond our pages)
Biomarker-driven care in asthma: Are we there? (Deykin). 2006;118:565-8 (Review)
Determinants of future long-term asthma control (Schatz et al). 2006;118:1048-53
Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); (Kelly et al). 2006;118:970-1 (Letter reply)
Features of severe asthma in school-age children: atopy and increased exhaled nitric oxide (Fitzpatrick et al). 2006;118:1218-25
High-dose inhaled fluticasone is not as effective as oral steroids for moderate acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)
Inhaled corticosteroids, long-acting β-agonists, and specialist care foster good asthma control (Leung et al). 2006;118:983 (The editors' choice)
Mild persistent asthma: Is any treatment needed? (Lazarus). 2006;118:805-8 (Review)
A new trick for an old dog? (Leung et al). 2006;118: 541 (The editors' choice)
Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids (de Jong et al). 2006;118: 280-2 (Letters to the editor)
Patient perspectives on the management of atopic dermatitis (Zuberbier et al). 2006;118: 226-32
Persistence, adherence, and effectiveness of combination therapy among adult patients with asthma (Marceau et al). 2006;118:574-81
A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57
A possible mechanism in corticosteroid-insensitive asthma (Zweiman and Rothenberg). 2006;118: 1389-90 (Beyond our pages)

Symmetric, drug-related, intertriginous, and flexural exanthema in a patient with polyvalent intolerance to corticosteroids (Treudler and Simon). 2006;118: 965-7 (Letters to the editor)
Treatment with inhaled corticosteroids in young children with wheezing (Zweiman and Rothenberg). 2006;118:769 (Beyond our pages)
Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Costimulatory molecules
Blockade of asthma by modifying costimulatory signaling (Zweiman and Rothenberg). 2006;118: 292 (Beyond our pages)

Cross-reactivity
Activation of T cells by carbamazepine and carbamazepine metabolites (Wu et al). 2006;118: 233-41
Apple allergy across Europe: how allergen sensitization profiles determine the clinical expression of allergies to plant foods (Fernández-Rivas et al). 2006;118:481-8
Clinical reactivity to hazelnut in children: association with sensitization to birch pollen or nuts? (Flinterman et al). 2006;118:1186-8 (Letters to the editor)
Cloning and characterization of profilin (Pru du 4), a cross-reactive almond *(Prunus dulcis)* allergen (Tawde et al). 2006;118:915-22
Cooking birch pollen–related food: divergent consequences for IgE- and T cell–mediated reactivity *in vitro* and *in vivo* (Bohle et al). 2006;118:242-9
Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens (Brandt et al). 2006;118:420-7
Parvalbumin is not responsible for cross-reactivity between tuna and marlin: a case report (Kondo et al). 2006;118:1382-3 (Letters to the editor)
Poor sanitation and helminth infection protect against skin sensitization in Vietnamese children: a cross-sectional study (Flohr et al). 2006;118: 1305-11
Risk factors for allergies in Vietnam (Leung et al). 2006;118:1197 (The editors' choice)
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Daschner). 2006;118:968 (Correspondence); (Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)

Cyclooxygenase inhibitors
Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)

Cysteinyl leukotriene receptor; *see* Receptors, leukotrienes

Cytokines; *see also* Chemokines; *specific cytokines*
Airway cytokine expression measured by means of protein array in exhaled breath condensate: correlation with physiologic properties in asthmatic patients (Matsunaga et al). 2006;118: 84-90
Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)
Cytokine immune response profiles differ based on gender and age (Leung et al). 2006;118:1198 (The editors' choice)
Cytokines and chemokines orchestrate atopic skin inflammation (Homey et al). 2006;118:178-89 (Review)
Human subjects without peanut allergy demonstrate T cell–dependent, T_H2-biased, peanut-specific cytokine and chemokine responses independent of T_H1 expression (Thottingal et al). 2006;118: 905-14
IL-25 is not IL-5 squared (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)
Immunopathology of atopic dermatitis (Fiset et al). 2006;118:287-90 (Images in allergy and immunology)
Modulation of immunogenicity and allergenicity by controlling the number of immunostimulatory oligonucleotides linked to Amb a 1 (Higgins et al). 2006;118:504-10
Persistent central memory phenotype of circulating Fel d 1 peptide/DRB1*0101 tetramer-binding $CD4^+$ T cells (Bateman et al). 2006;118:1350-6
A possible mechanism in corticosteroid-insensitive asthma (Zweiman and Rothenberg). 2006;118: 1389-90 (Beyond our pages)
Proinflammatory effects of IL-4 antagonism (Steinke et al). 2006;118:756-8 (Letters to the editor)
Redefining CD4 cells in asthma (Zweiman and Rothenberg). 2006;118:292 (Beyond our pages)
Sex-related differences in immune development and the expression of atopy in early childhood (Uekert et al). 2006;118:1375-81
Simple monitoring system of airway inflammation (Leung et al). 2006;118:1 (The editors' choice)
Toll-like receptor 2, 3, and 4 expression and function in human airway smooth muscle (Sukkar et al). 2006;118:641-8

D

Decongestant
Oral phenylephrine: an ineffective replacement for pseudoephedrine (Hendeles & Hatton). 2006;118: 279-80 (Letters to the editor)

Dectin-1; *see* Membrane proteins; Nerve tissue proteins

Dehydrocholesterol
Cholesterol and mast cells (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)

Delivery
Preterm delivery and asthma: a systemic review and meta-analysis (Jaakkola et al). 2006;118: 823-30

Dendritic cells
An essential role for dendritic cells in human and experimental allergic rhinitis (KleinJan et al). 2006;118:1117-25
Potential involvement of dendritic cells in delayed-type hypersensitivity reactions to β-lactams (Rodriguez-Pena et al). 2006;118: 949-55
Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation (Chan et al). 2006;118: 455-65
Recent progress in the biology of airway dendritic cells and implications for understanding the regulation of asthmatic inflammation (Hammad and Lambrecht). 2006;118:331-6 (Review)
Targeting dendritic cells cures allergic rhinitis (Leung et al). 2006;118:984 (The editors' choice)

Deoxyribonucleic acid
New DNA code identified (Zweiman and Rothenberg). 2006;118:1196 (Beyond our pages)

Dermatitis, atopic
Atopic dermatitis (Boguniewicz et al). 2006;118:40-3 (Editorial)
Azathioprine therapy of severe atopic dermatitis in adults (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)
CD1d restricted natural killer T cells are not required for allergic skin inflammation (Elkhal et al). 2006;118:1363-8
Cytokines and chemokines orchestrate atopic skin inflammation (Homey et al). 2006;118:178-89 (Review)
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al) 2006;118:152-69. Correction. 2006;118:724
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al). 2006;118:152-69
Does allergen specific immunotherapy represent a therapeutic option for patients with atopic dermatitis? (Bussmann et al). 2006;118:1292-8 (Review)
Effects of the timing of solid food introduction in infancy on the occurrence of atopic dermatitis and allergic sensitization (Zweiman & Rothenberg). 2006;118:291 (Beyond our pages)
Enhanced expression levels of IL-31 correlate with IL-4 and IL-13 in atopic and allergic contact dermatitis (Neis et al). 2006;118: 930-7
Enhanced IL-31 expression linked to atopic and allergic contact dermatitis (Leung et al). 2006;118: 772 (The editors' choice)
The genetics of atopic dermatitis (Morar et al). 2006;118:24-34 (Review); (Morar et al) 2006;118: 24-34. Correction. 2006;118:559
How epidemiology has challenged 3 prevailing concepts about atopic dermatitis (Williams and Flohr). 2006;118:209-13 (Rostrum)
Hyperresponsive T_H2 cells with enhanced nuclear factor-κB activation induce atopic dermatitis–like skin lesions in Nishiki-nezumi Cinnamon/Nagoya mice (Tenda et al). 2006;118:725-33
Immunopathology of atopic dermatitis (Fiset et al). 2006;118:287-90 (Images in allergy and immunology)
Innate immune defects in atopic dermatitis (McGirt and Beck). 2006;118:202-8 (Review)
Lack of association between toll-like receptor 2 and toll-like receptor 4 polymorphisms and atopic eczema (Weidinger et al). 2006;118:277-9 (Letters to the editor)
Lack of filaggrin expression in the human bronchial mucosa (Ying et al). 2006;118:1386-8 (Letters to the editor)
Loss-of-function variations within the filaggrin gene predispose for atopic dermatitis with allergic sensitizations (Weidinger et al). 2006;118:214-9; (Weidinger et al) 2006;118:214-9. Correction. 2006;118:922
Management of sleep disturbance associated with atopic dermatitis (Kelsay). 2006;118:198-201 (Review)
New insights into the complex gene-environment interactions evolving into atopic dermatitis (Leung). 2006;118:37-9 (Editorial)
New perspectives on epidermal barrier dysfunction in atopic dermatitis: gene-environment interactions (Cork et al). 2006;118:3-21 (Review)
Patient perspectives on the management of atopic dermatitis (Zuberbier et al). 2006;118:226-32
Persistent central memory phenotype of circulating Fel d 1 peptide/DRB1*0101 tetramer-binding $CD4^+$ T cells (Bateman et al). 2006;118:1350-6
Role of vasculature in atopic dermatitis (Steinhoff et al). 2006;118:190-7 (Review)
Single nucleotide polymorphisms of the *IL18* gene are associated with atopic eczema (Novak et al) 2005;115:828-33. Correction. 2006;118:1319

Dermatitis, contact
Enhanced expression levels of IL-31 correlate with IL-4 and IL-13 in atopic and allergic contact dermatitis (Neis et al). 2006;118:930-7
Enhanced IL-31 expression linked to atopic and allergic contact dermatitis (Leung et al). 2006;118: 772 (The editors' choice)

Dermatophagoides farinae
Successful management of mite-allergic asthma with modified extracts of *Dermatophagoides*

pteronyssinus and *Dermatophagoides farinae* in a double-blind, placebo-controlled study (Garcia-Robaina et al). 2006;118:1026-32

Dermatophagoides pteronyssinus
Successful management of mite-allergic asthma with modified extracts of *Dermatophagoides pteronyssinus* and *Dermatophagoides farinae* in a double-blind, placebo-controlled study (Garcia-Robaina et al). 2006;118:1026-32

Desensitization, immunologic
Selection of patients for aspirin desensitization treatment (Stevenson and Simon). 2006;118:801-4 (Editorial)

Dexamethasone
Expression of nonmuscle cofilin-1 and steroid responsiveness in severe asthma (Vasavda et al). 2006;118:1090-6
Toll-like receptor 2, 3, and 4 expression and function in human airway smooth muscle (Sukkar et al). 2006;118:641-8

Diagnostic techniques and procedures
The atopy patch test in the diagnostic workup of suspected food-related symptoms in children (Mehl et al). 2006;118:923-9
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al) 2006;118:152-69. Correction. 2006;118:724
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al). 2006;118:152-69
Hyperosmolar conjunctival provocation for the evaluation of nonspecific hyperreactivity in healthy patients and patients with allergy (Sacchetti et al). 2006;118:872-7
Noninvasive methods for the detection of upper and lower airway inflammation in atopic children (Profita et al). 2006;118:1068-74

DiGeorge syndrome
Thymic output markers indicate immune dysfunction in DiGeorge syndrome (Lavi et al). 2006;118:1184-6 (Letters to the editor)

Digestion
Effect of *in vitro* gastric and duodenal digestion on the allergenicity of grape lipid transfer protein (Vassilopoulou et al). 2006;118:473-80

Disclosure
Nondisclosure of conflicts of interest is perilous to the advancement of science (Kilburn et al). 2006;118:766-7 (Correspondence)
Rigor, transparency, and disclosure needed in mold position paper (Shoemaker et al). 2006;118:764-6 (Correspondence)

Disease outbreaks
Mumps resurgence in the United States (Kancherla and Hanson). 2006;118:938-41 (Review)

Disease progression
New research on assessment of (Bukstein et al). 2006;118:S11

DNA, immunostimulatory
Modulation of immunogenicity and allergenicity by controlling the number of immunostimulatory oligonucleotides linked to Amb a 1 (Higgins et al). 2006;118:504-10

DNA microarray; *see* Oligonucleotide array sequence analysis

DNA vaccines
Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy (Bauer et al). 2006;118:269-76

Dogs; *see* Animals, domestic

Dose-response relationship, drug
Control of airway inflammation maintained at a lower steroid dose with 100/50 μg of fluticasone propionate/salmeterol (Jarjour et al). 2006;118:44-52

Dose-response relationship, immunologic
Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); (Kelly et al). 2006;118:970-1 (Letter reply)
Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization (Gabler et al). 2006;118:734-41
Immunologic response to administration of standardized dog allergen extract at differing doses (Lent et al). 2006;118:1249-56
Initial Fc∈RI-mediated signal strength plays a key role in regulating basophil signaling and deactivation (Gibbs et al). 2006;118:1060-7

Drug administration routes
High-dose inhaled fluticasone is not as effective as oral steroids for moderate acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)

Drug combinations
Adherence and persistence with fluticasone propionate/salmeterol combination therapy (Bender et al). 2006;118:899-904
Persistence, adherence, and effectiveness of combination therapy among adult patients with asthma (Marceau et al). 2006;118:574-81

Drug delivery systems
Symmetric, drug-related, intertriginous, and flexural exanthema in a patient with polyvalent intolerance to corticosteroids (Treudler and Simon). 2006;118:965-7 (Letters to the editor)

Drug hypersensitivity
Activation of T cells by carbamazepine and carbamazepine metabolites (Wu et al). 2006;118:233-41

Advances in allergic skin disease, anaphylaxis, and hypersensitivity reactions to foods, drugs, and insects (Sicherer and Leung). 2006;118:170-7 (Review)
Benzocaine anaphylaxis (Vu and Lockey). 2006;118:534-5 (Letters to the editor)
Continuous hydromorphone infusion for opioid intolerance (Tcheurekdjian and Gundling). 2006;118:282-4 (Letters to the editor)
Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)
Potential involvement of dendritic cells in delayed-type hypersensitivity reactions to β-lactams (Rodriguez-Pena et al). 2006;118:949-55
Symmetric, drug-related, intertriginous, and flexural exanthema in a patient with polyvalent intolerance to corticosteroids (Treudler and Simon). 2006;118:965-7 (Letters to the editor)

Drug reactions
Rhinitis medicamentosa and the stuffy nose (Lockey). 2006;118:1017-8 (Editorial)

Drug resistance
A possible mechanism in corticosteroid-insensitive asthma (Zweiman and Rothenberg). 2006;118:1389-90 (Beyond our pages)
Systemic glucocorticoid reduces bronchial mucosal activation of activator protein 1 components in glucocorticoid-sensitive but not glucocorticoid-resistant asthmatic patients (Loke et al). 2006;118:368-75

Drug therapy
Does unconventional medicine work through conventional modes of action? (Niggemann and Grüber). 2006;118:569-73 (Rostrum)
Management of sleep disturbance associated with atopic dermatitis (Kelsay). 2006;118:198-201 (Review)
Pharmacologic rationale for treating allergic and nonallergic rhinitis (Greiner and Meltzer). 2006;118:985-96 (Review)
Selection of patients for aspirin desensitization treatment (Stevenson and Simon). 2006;118:801-4 (Editorial)

Drug toxicity
Cardiotoxicity of imatinib mesylate (Zweiman and Rothenberg). 2006;118:1390 (Beyond our pages)

Dust
Cat allergen level: its determinants and relationship to specific IgE to cat across European centers (Heinrich et al). 2006;118:674-81
Detection of novel occupational wood allergens in locust wood dust *(Robinia pseudoacacia L.)* (Kespohl et al) 2006;118:522-4. Correction. 2006;118:1189
Detection of novel occupational wood allergens in locust wood dust (*Robinia pseudoacacia* L.) (Kespohl et al). 2006;118:522-4 (Letters to the editor)
Influence of dog ownership and high endotoxin on wheezing and atopy during infancy (Campo et al). 2006;118:1271-8

Dust mite allergen; *see* Mites

E

Eczema; *see* Dermatitis, atopic
Filaggrin loss-of-function mutations predispose to phenotypes involved in the atopic march (Marenholz et al). 2006;118:866-71
The skin barrier and its role in the atopic march (Leung et al). 2006;118:771 (The editors' choice)

Eczema, atopic; *see* Dermatitis, atopic

Editorials. 2006;118:37-9, 40-3, 321-3, 337-9, 562-4, 801-4, 1327-9

Eicosanoids
Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)

Endocrine system disorders
FOXP3 mutations in autoimmunity (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)

Endoscopy
Diagnosis of acute presumed bacterial rhinosinusitis (Meltzer et al). 2006;118:S50
Nasal (Meltzer et al). 2006;118:S49

Endothelial cells
Role of vasculature in atopic dermatitis (Steinhoff et al). 2006;118:190-7 (Review)

Endothelial growth factors
Phosphoinositide 3-kinase-δ inhibitor reduces vascular permeability in a murine model of asthma (Lee et al). 2006;118:403-9

Endothelial nitric oxide synthase; *see* Nitric oxide synthase type III

Endotoxins
Endotoxin exposure, wheezing, and rash in infancy in a New Zealand birth cohort (Gillespie et al). 2006;118:1265-70
Gene-environment interactions with *CD14* C-260T and their relationship to total serum IgE levels in adults (Williams et al). 2006;118:851-7
Influence of dog ownership and high endotoxin on wheezing and atopy during infancy (Campo et al). 2006;118:1271-8
Prenatal initiation of endotoxin airway exposure prevents subsequent allergen-induced sensitization and airway inflammation in mice (Gerhold et al). 2006;118:666-73

Environmental exposure; *see also* Hygiene hypothesis; Occupational exposure
Accidental ingestions in children with peanut allergy (Yu et al). 2006;118:466-72
Adult obesity, farm childhood, and their effect on allergic sensitization (Radon and Schulze). 2006;118:1279-83

Advances in basic and clinical immunology (Chinen et al). 2006;118:489-95
Advances in basic and clinical immunology (Chinen et al) 2006;118:489-95. Correction. 2006; 118:956
Adverse health effects of indoor mold exposure (Lieberman et al). 2006;118:763 (Correspondence)
Adverse reactions to fungal metabolic products in mold-contaminated areas (Goldstein). 2006;118: 760-1 (Correspondence)
Alternaria exposure and asthma in US homes (Leung et al). 2006;118:771 (The editors' choice)
Association between farm exposure and atopy, according to the CD14 C-159T polymorphism (Leynaert et al). 2006;118:658-65
Cat allergen level: its determinants and relationship to specific IgE to cat across European centers (Heinrich et al). 2006;118:674-81
Cat and dust mite allergen levels in European homes (Leung et al). 2006;118:542 (The editors' choice)
Cat keeping, allergy, and asthma (Leung et al). 2006;118:542
Challenge with environmental tobacco smoke exacerbates allergic airway disease in human beings (Diaz-Sanchez et al). 2006;118: 441-6
Child-care center sandpits: a source of cat allergen (Fel d 1) (Siebers et al). 2006;118:533-4 (Letters to the editor)
Does CD14C-159T modulate the effect of farm exposure on allergy? (Leung et al). 2006;118:542 (The editors' choice)
Duration of airborne Fel d 1 reduction after cat washing (Nageotte et al). 2006;118:521-2 (Letters to the editor)
Epicutaneous aeroallergen exposure induces systemic T_H2 immunity that predisposes to allergic nasal responses (Akei et al). 2006;118:62-9
Exposure to *Alternaria alternata* in US homes is associated with asthma symptoms (Salo et al). 2006;118:892-8
Gene-environment interactions with *CD14* C-260T and their relationship to total serum IgE levels in adults (Williams et al). 2006;118:851-7
How solid is the Academy position paper on mold exposure? (Strickland). 2006;118:763-4 (Correspondence)
The medical effects of mold exposure (Platts-Mills). 2006;118:768 (Correspondence); (Wood and Bush). 2006;118:767-8 (Letter reply)
The natural history of asthma (Reed). 2006;118:543-8 (Review)
Neonatal exposure with LPS and/or allergen prevents experimental allergic airways disease: development of tolerance using environmental antigens (Wang and McCusker). 2006;118:143-51
New insights into the complex gene-environment interactions evolving into atopic dermatitis (Leung). 2006;118:37-9 (Editorial)
New perspectives on epidermal barrier dysfunction in atopic dermatitis: gene-environment interactions (Cork et al). 2006;118:3-21 (Review)
Position paper on molds is seriously flawed (Marinkovich). 2006;118:761-2 (Correspondence)
Respirable trichothecene mycotoxins can be demonstrated in the air of *Stachybotrys chartarum*–contaminated buildings (Straus and Wilson). 2006;118:760 (Correspondence)
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81
Swimming pool attendance and exhaled nitric oxide in children (Carraro et al). 2006;118:958-60 (Letters to the editor)
Washing the cat—the final answer? (Leung et al). 2006;118:294 (The editors' choice)

Eosinophil cationic protein

Nasal IL-5 levels determine the response to anti–IL-5 treatment in patients with nasal polyps (Gevaert et al). 2006;118:1133-41

Eosinophilia

Airway inflammation assessed by invasive and noninvasive means in severe asthma: eosinophilic and noneosinophilic phenotypes (Lemière et al). 2006;118:1033-9
Anti–IL-5 is a promising therapy for eosinophilic esophagitis (Leung et al). 2006;118:1197 (The editors' choice)
Anti–IL-5 (mepolizumab) therapy for eosinophilic esophagitis (Stein et al). 2006;118:1312-9
Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); Kelly et al). 2006;118:970-1 (Letter reply)
Eosinophilic esophagitis: pathogenesis, genetics, and therapy (Blanchard et al). 2006;118:1054-9 (Review)
A genetic basis for eosinophilic esophagitis (Zweiman & Rothenberg). 2006;118:291 (Beyond our pages)
IL-4 induces IL-13–independent allergic airway inflammation (Perkins et al). 2006;118:410-9
Serine protease inhibitors nafamostat mesilate and gabexate mesilate attenuate allergen-induced airway inflammation and eosinophilia in a murine model of asthma (Chen et al). 2006;118: 105-12

Eosinophils

Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)
Biomarker-driven care in asthma: Are we there? (Deykin). 2006;118:565-8 (Review)
Correlation between peripheral blood T-cell profiles and airway inflammation in atopic asthma (Shirai et al). 2006;118:622-6
Ligation of intercellular adhesion molecule 3 induces apoptosis of human blood eosinophils and neutrophils (Kessel et al). 2006;118: 831-6

Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33

Montelukast regulates eosinophil protease activity through a leukotriene-independent mechanism (Langlois et al). 2006;118:113-9

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Oral phenylephrine: an ineffective replacement for pseudoephedrine (Hendeles & Hatton). 2006;118: 279-80 (Letters to the editor)

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Risk factors for exacerbations of asthma (Leung et al). 2006;118:1198 (The editors' choice)

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Periostin: A novel component of subepithelial fibrosis of bronchial asthma downstream of IL-4 and IL-13 signals (Takayama et al). 2006;118:98-104

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Food intolerance and wheezing in young South Asian and white children: prevalence and clinical significance (Kuehni et al). 2006;118:528-30 (Letters to the editor)

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Correlation of *FCERIB* gene haplotypes with histamine release from basophils in atopic asthma (Sharma et al). 2006;118:960-3 (Letters to the editor)

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Genetic basis of allergy linked to skin protein (Zweiman and Rothenberg). 2006;118:292 (Beyond our pages)

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Loss-of-function variations within the filaggrin gene predispose for atopic dermatitis with allergic sensitizations (Weidinger et al). 2006;118:214-9

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Filaggrin loss-of-function mutations predispose to phenotypes involved in the atopic march (Marenholz et al). 2006;118:866-71
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Parvalbumin is not responsible for cross-reactivity between tuna and marlin: a case report (Kondo et al). 2006;118:1382-3 (Letters to the editor)

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Adherence and persistence with fluticasone propionate/salmeterol combination therapy (Bender et al). 2006;118:899-904

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Bronchial responsiveness to leukotriene D_4 is resistant to inhaled fluticasone propionate (Gyllfors et al). 2006;118:78-83
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Another tale of poor patient adherence with controller therapy (Leung et al). 2006;118:771 (The editors' choice)
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Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids (de Jong et al). 2006;118:280-2 (Letters to the editor)

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Effects of a budesonide-formoterol combination as reliever therapy in preventing acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)
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A novel innate immunity gene confers risk of allergic disease (Leung et al). 2006;118:1 (The editors' choice)

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Fine mapping and positional candidate studies of chromosome 5p13 identify multiple asthma susceptibility loci (Kurz et al). 2006;118:396-402
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Nasal priming (Sahin-Yilmaz et al). 2006;118:1190-1 (The allergy archives)

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Further evidence for sublingual immunotherapy safety and efficacy (Leung et al). 2006;118:293 (The editors' choice)

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Could infection with oral pathogens be beneficial for allergic disease? (Leung et al). 2006;118:983 (The editors' choice)
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Rapid detection of fungal α-amylase in the work environment with a lateral flow immunoassay (Bogdanovic et al). 2006;118:1157-63

Immunodeficiency; *see* Immunologic deficiency syndrome; Immunologic deficiency syndromes
Immunologic deficiency syndromes
Advances in basic and clinical immunology (Chinen et al). 2006;118:489-95
Advances in basic and clinical immunology (Chinen et al) 2006;118:489-95. Correction. 2006;118:956
An antibody-deficiency syndrome due to mutations in the CD19 gene (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)
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Thymic output markers indicate immune dysfunction in DiGeorge syndrome (Lavi et al). 2006;118: 1184-6 (Letters to the editor)
Immunotherapy
Analysis of the burden of treatment in patients receiving an EpiPen for yellow jacket anaphylaxis (Elberink et al). 2006;118:699-704
Aspiration before immunotherapy injection is not required (Waibel). 2006;118:525-6 (Letters to the editor)
Does allergen specific immunotherapy represent a therapeutic option for patients with atopic dermatitis? (Bussmann et al). 2006;118:1292-8 (Review)
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Further evidence for sublingual immunotherapy safety and efficacy (Leung et al). 2006;118:293 (The editors' choice)
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Infants; *see also* Asthma, pediatric
Effects of the timing of solid food introduction in infancy on the occurrence of atopic dermatitis and allergic sensitization (Zweiman & Rothenberg). 2006;118:291 (Beyond our pages)
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Asthma, influenza, and vaccination (Glezen). 2006;118:1199-206 (Review)
Could infection with oral pathogens be beneficial for allergic disease? (Leung et al). 2006;118:983 (The editors' choice)
Innate peptide critical for protection against urinary tract infections (Zweiman and Rothenberg). 2006;118:1196 (Beyond our pages)
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Understanding the ingenuity of chemokines and their receptors (Bochner). 2006;118:321-3 (Editorial)
Inflammation; *see also* Airway inflammation
Asthma and (Bukstein et al). 2006;118:S4
Atopic dermatitis (Boguniewicz et al). 2006;118:40-3 (Editorial)
Biomarker-driven care in asthma: Are we there? (Deykin). 2006;118:565-8 (Review)
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Exhaled nitric oxide in (Bukstein et al). 2006;118:S11
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Early-life domestic aeroallergen exposure and IgE sensitization at age 4 years (Torrent et al). 2006;118:742-8

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Advances in allergic skin disease, anaphylaxis, and hypersensitivity reactions to foods, drugs, and insects (Sicherer and Leung). 2006;118:170-7 (Review)

Analysis of the burden of treatment in patients receiving an EpiPen for yellow jacket anaphylaxis (Elberink et al). 2006;118:699-704

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New pathway for insulin signaling proteins in innate intestinal immunity identified (Leung et al). 2006;118:2 (The editors' choice)

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IRF5 variants associated with systemic lupus erythematosus (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)

Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation (Chan et al). 2006;118: 455-65

Recalcitrant warts, associated with natural killer cell dysfunction, treated with systemic IFN-α (Cac and Ballas). 2006;118:526-8 (Letters to the editor)

Redirection of allergen-specific T_H2 responses by a modified adenine through Toll-like receptor 7 interaction and IL-12/IFN release (Filì et al). 2006;118:511-7

Interleukin-1 (IL-1)

The interaction of *IL1A* and endothelial nitric oxide synthase polymorphisms is associated with the degree of atopy (Pessi et al). 2006;118:284-6 (Letters to the editor)

Interleukin-4 (IL-4)

Enhanced expression levels of IL-31 correlate with IL-4 and IL-13 in atopic and allergic contact dermatitis (Neis et al). 2006;118:930-7

IL-4 induces IL-13–independent allergic airway inflammation (Perkins et al). 2006;118:410-9

IL-4 mediated lung disease is genetically regulated (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)

IL-13 receptor α 2: a regulator of IL-13 and IL-4 signal transduction in primary human fibroblasts (Andrews et al). 2006;118:858-65

IL-13αα2: a tail of two cytokines (Leung et al). 2006;118:772 (The editors' choice)

Periostin: A novel component of subepithelial fibrosis of bronchial asthma downstream of IL-4 and IL-13 signals (Takayama et al). 2006;118:98-104

Proinflammatory effects of IL-4 antagonism (Steinke et al). 2006;118:756-8 (Letters to the editor)

Interleukin-5 (IL-5)

IL-25 is not IL-5 squared (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)

Nasal IL-5 levels determine the response to anti–IL-5 treatment in patients with nasal polyps (Gevaert et al). 2006;118:1133-41

Noninvasive methods for the detection of upper and lower airway inflammation in atopic children (Profita et al). 2006;118:1068-74

Interleukin-9 (IL-9)

Mast cells are essential for regulatory T-cell tolerance (Zweiman and Rothenberg). 2006;118:1390 (Beyond our pages)

Interleukin-10 (IL-10)

Proinflammatory effects of IL-4 antagonism (Steinke et al). 2006;118:756-8 (Letters to the editor)

Interleukin-12 (IL-12)

Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation (Chan et al). 2006;118: 455-65

Redirection of allergen-specific T_H2 responses by a modified adenine through Toll-like receptor 7 interaction and IL-12/IFN release (Filì et al). 2006;118:511-7

Interleukin-13 (IL-13)

Enhanced expression levels of IL-31 correlate with IL-4 and IL-13 in atopic and allergic contact dermatitis (Neis et al). 2006;118:930-7

IL-4 induces IL-13–independent allergic airway inflammation (Perkins et al). 2006;118: 410-9

IL-13 is essential to the late-phase response in allergic rhinitis (Miyahara et al). 2006;118:1110-6

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Interleukin-18 (IL-18)

Single nucleotide polymorphisms of the *IL18* gene are associated with atopic eczema (Novak et al) 2005;115:828-33. Correction. 2006;118:1319

Interleukin-21 (IL-21)
IL-21 and T_H2 responses (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)
Interleukin-25 (IL-25)
IL-25 enhances allergic airway inflammation by amplifying a T_H2 cell–dependent pathway in mice (Tamachi et al). 2006;118:606-14
IL-25 is not IL-5 squared (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)
Interleukin-31 (IL-31)
Enhanced expression levels of IL-31 correlate with IL-4 and IL-13 in atopic and allergic contact dermatitis (Neis et al). 2006;118:930-7
Enhanced IL-31 expression linked to atopic and allergic contact dermatitis (Leung et al). 2006;118: 772 (The editors' choice)
Interleukin receptor-associated kinase-4
Interleukin receptor-associated kinase-4 deficiency impairs Toll-like receptor–dependent innate antiviral immune responses (McDonald et al). 2006;118:1357-62
IRAK-4 is required for Toll–like receptor-induced interferon production (Leung et al). 2006;118:1198 (The editors' choice)
Interleukins
Differential role of toll-like receptors in experimental colitis (Zweiman and Rothenberg). 2006;118:1196 (Beyond our pages)
Intestinal diseases
New pathway for insulin signaling proteins in innate intestinal immunity identified (Leung et al). 2006;118:2 (The editors' choice)
IRF5 protein, human
IRF5 variants associated with systemic lupus erythematosus (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)

J

JNK mitogen-activated protein kinases
Systemic glucocorticoid reduces bronchial mucosal activation of activator protein 1 components in glucocorticoid-sensitive but not glucocorticoid-resistant asthmatic patients (Loke et al). 2006;118:368-75

K

Killer cells, natural
CD1d restricted natural killer T cells are not required for allergic skin inflammation (Elkhal et al). 2006;118:1363-8
Recalcitrant warts, associated with natural killer cell dysfunction, treated with systemic IFN-α (Cac and Ballas). 2006;118:526-8 (Letters to the editor)
Redefining CD4 cells in asthma (Zweiman and Rothenberg). 2006;118:292 (Beyond our pages)
Reprogramming CTL cells into natural killer–like cells in celiac disease (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)
Kupffer cells
New complement receptor on Kupffer cells identified (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)

L

Latex allergy
Apparent sensitization to latex through swim caps (Kelso et al). 2006;118:524-5 (Letters to the editor)
Differential allergen sensitization patterns in chestnut allergy with or without associated latex-fruit syndrome (Sánchez-Monge et al). 2006;118: 705-10
Natural rubber latex allergy among health care workers: a systematic review of the evidence (Bousquet et al). 2006;118:447-54
Letters to the editor; *see also* Correspondence
Apparent sensitization to latex through swim caps (Kelso et al). 2006;118:524-5
Aspiration before immunotherapy injection is not required (Waibel). 2006;118:525-6
Benzocaine anaphylaxis (Vu and Lockey). 2006;118: 534-5
Changes in specific IgE and IgG and monocyte chemoattractant protein-1 in workers with occupational asthma caused by diisocyanates and removed from exposure (Malo et al). 2006;118: 530-3
Child-care center sandpits: a source of cat allergen (Fel d 1) (Siebers et al). 2006;118:533-4
Clinical reactivity to hazelnut in children: association with sensitization to birch pollen or nuts? (Flinterman et al). 2006;118:1186-8
Continuous hydromorphone infusion for opioid intolerance (Tcheurekdjian and Sundling). 2006;118:282-4
Correlation of *FCERIB* gene haplotypes with histamine release from basophils in atopic asthma (Sharma et al). 2006;118:960-3
Detection of novel occupational wood allergens in locust wood dust (*Robinia pseudoacacia* L.) (Kespohl et al). 2006;118:522-4
Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8
Duration of airborne Fel d 1 reduction after cat washing (Nageotte et al). 2006;118:521-2
Food intolerance and wheezing in young South Asian and white children: prevalence and clinical significance (Kuehni et al). 2006;118: 528-30
The interaction of *IL1A* and endothelial nitric oxide synthase polymorphisms is associated with the degree of atopy (Pessi et al). 2006;118:284-6
Is the allergic rhinitis and its impact on asthma classification useful in daily primary care practice? (Hoecke et al). 2006;118:758-9

Lack of association between toll-like receptor 2 and toll-like receptor 4 polymorphisms and atopic eczema (Weidinger et al). 2006;118:277-9

Lack of filaggrin expression in the human bronchial mucosa (Ying et al). 2006;118:1386-8 (Letters to the editor)

Low clinical penetrance of mannose-binding lectin–associated serine protease 2 deficiency (Garcia-Laorden et al). 2006;118:1384-6 (Letters to the editor)

Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids (de Jong et al). 2006;118:280-2

Opposing actions of (R,R)-isomers and (S,S)-isomers of formoterol on T-cell function (Steinke et al). 2006;118:963-5

Oral phenylephrine: an ineffective replacement for pseudoephedrine (Hendeles & Hatton). 2006;118:279-80

Parvalbumin is not responsible for cross-reactivity between tuna and marlin: a case report (Kondo et al). 2006;118:1382-3 (Letters to the editor)

Proinflammatory effects of IL-4 antagonism (Steinke et al). 2006;118:756-8

Recalcitrant warts, associated with natural killer cell dysfunction, treated with systemic IFN-α (Cac and Ballas). 2006;118:526-8

Susceptibility of pediatric HIV-1 isolates to recombinant CD4-IgG_2 (PRO 542) and humanized mAb to the chemokine receptor CCR5 (PRO 140) (Shearer et al). 2006;118:518-21

Swimming pool attendance and exhaled nitric oxide in children (Carraro et al). 2006;118:958-60

Symmetric, drug-related, intertriginous, and flexural exanthema in a patient with polyvalent intolerance to corticosteroids (Treudler and Simon). 2006;118:965-7

Thymic output markers indicate immune dysfunction in DiGeorge syndrome (Lavi et al). 2006;118:1184-6

Leukocytes

Chemokines and their receptors in allergic disease (Pease and Williams). 2006;118:305-18 (Review)

The course of allergen-induced leukocyte infiltration in human and experimental asthma (Lommatzsch et al). 2006;118:91-7

Immune cell transcriptome datasets reveal novel leukocyte subset–specific genes and genes associated with allergic processes (Liu et al). 2006;118:496-503

Leukotriene antagonists

Effects of a leukotriene receptor antagonist on exhaled leukotriene E_4 and prostanoids in children with asthma (Montuschi et al). 2006;118:347-53

Leukotrienes

Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)

Bengt Samuelsson and the discovery of the leukotrienes (Serhan). 2006;118:972-6 (The allergy archives)

Bronchial responsiveness to leukotriene D_4 is resistant to inhaled fluticasone propionate (Gyllfors et al). 2006;118:78-83

Cysteinyl leukotrienes are important mediators of persistent disease in children with moderate/severe asthma (Leung et al). 2006;118:541 (The editors' choice)

Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)

Effect of montelukast on exhaled leukotriene E_4 in asthmatic children (Leung et al). 2006;118:293 (The editors' choice)

Effects of a leukotriene receptor antagonist on exhaled leukotriene E_4 and prostanoids in children with asthma (Montuschi et al). 2006;118:347-53

Fungal zymosan induces leukotriene production by human mast cells through a dectin-1–dependent mechanism (Olynych et al). 2006;118:837-43

Leukotriene responsiveness is unaffected by inhaled corticosteroids (Leung et al). 2006;118:1 (The editors' choice)

The role of leukotrienes in airway inflammation (Ogawa and Calhoun). 2006;118:789-98 (Review)

Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Linkage (Genetics)

The genetics of atopic dermatitis (Morar et al). 2006;118:24-34 (Review); (Morar et al) 2006;118:24-34. Correction. 2006;118:559

Lipid transfer protein

Differential allergen sensitization patterns in chestnut allergy with or without associated latex-fruit syndrome (Sánchez-Monge et al). 2006;118:705-10

Effect of *in vitro* gastric and duodenal digestion on the allergenicity of grape lipid transfer protein (Vassilopoulou et al). 2006;118:473-80

Skin prick tests reveal stable and heritable reduction of allergenic potency of gene-silenced tomato fruits (Lorenz et al). 2006;118:711-8

Lipopolysaccharides

Neonatal exposure with LPS and/or allergen prevents experimental allergic airways disease: development of tolerance using environmental antigens (Wang and McCusker). 2006;118:143-51

A possible mechanism in corticosteroid-insensitive asthma (Zweiman and Rothenberg). 2006;118:1389-90 (Beyond our pages)

Prenatal initiation of endotoxin airway exposure prevents subsequent allergen-induced sensitization

and airway inflammation in mice (Gerhold et al). 2006;118:666-73
Pro-oxidative diesel exhaust particle chemicals inhibit LPS-induced dendritic cell responses involved in T-helper differentiation (Chan et al). 2006;118: 455-65

Locust wood
Detection of novel occupational wood allergens in locust wood dust *(Robinia pseudoacacia L.)* (Kespohl et al) 2006;118:522-4. Correction. 2006;118:1189
Detection of novel occupational wood allergens in locust wood dust (*Robinia pseudoacacia* L.) (Kespohl et al). 2006;118:522-4 (Letters to the editor)

Lung
The functional benefit of anti-inflammatory aerosols in the lung periphery (Verbanck et al). 2006;118: 340-6
Mild to moderate asthma affects lung growth in children and adolescents (Strunk et al). 2006;118: 1040-7
A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57
Toll-like receptor 2, 3, and 4 expression and function in human airway smooth muscle (Sukkar et al). 2006;118:641-8

Lung disease
IL-4 mediated lung disease is genetically regulated (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)

Lung diseases, obstructive
Small airway disease: a riddle wrapped in a mystery inside an enigma (Colice). 2006;118:337-9 (Editorial)

Lung function
Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34
Bronchial thermoplasty for asthma (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)
Carbon in airway macrophages and lung function in children (Zweiman and Rothenberg). 2006;118: 1195-6 (Beyond our pages)
Clinical outcomes and (Bukstein et al). 2006; 118:S2
Cysteinyl leukotrienes are important mediators of persistent disease in children with moderate/severe asthma (Leung et al). 2006;118:541 (The editors' choice)
Features of severe asthma in school-age children: atopy and increased exhaled nitric oxide (Fitzpatrick et al). 2006;118:1218-25
Human rhinovirus in bronchial epithelium of infants with recurrent respiratory symptoms (Malmström et al). 2006;118:591-6
Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids (de Jong et al). 2006;118: 280-2 (Letters to the editor)
Role of small airways in asthma: investigation using high-resolution computed tomography (Ueda et al). 2006;118:1019-25
Short-term effects of smoking cessation in asthmatic individuals (Zweiman and Rothenberg). 2006;118: 769 (Beyond our pages)
Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Lupus erythematosus, systemic
IRF5 variants associated with systemic lupus erythematosus (Zweiman and Rothenberg). 2006;118:770 (Beyond our pages)

Lymphocytes
Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33
Thymic output markers indicate immune dysfunction in DiGeorge syndrome (Lavi et al). 2006;118: 1184-6 (Letters to the editor)

M

MAb; *see* Monoclonal antibodies

Macrophages
Carbon in airway macrophages and lung function in children (Zweiman and Rothenberg). 2006;118: 1195-6 (Beyond our pages)

Malassezia
Atopic dermatitis (Boguniewicz et al). 2006;118:40-3 (Editorial)

Mannose-binding protein-associated serine proteases
Low clinical penetrance of mannose-binding lectin–associated serine protease 2 deficiency (Garcia-Laorden et al). 2006;118:1384-6 (Letters to the editor)

MASP-2 deficiency
Low clinical penetrance of mannose-binding lectin–associated serine protease 2 deficiency (Garcia-Laorden et al). 2006;118:1384-6 (Letters to the editor)

Mast cells
Cholesterol and mast cells (Zweiman and Rothenberg). 2006;118:540 (Beyond our pages)
Fungal zymosan induces leukotriene production by human mast cells through a dectin-1–dependent mechanism (Olynych et al). 2006;118: 837-43
Identification of the Syk kinase inhibitor R112 by a human mast cell screen (Rossi et al). 2006;118: 749-55
Initial Fc∈RI-mediated signal strength plays a key role in regulating basophil signaling and deactivation (Gibbs et al). 2006;118:1060-7
Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33

Mast cells are essential for regulatory T-cell tolerance (Zweiman and Rothenberg). 2006;118:1390 (Beyond our pages)
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118:1082-9
Targeting the inhibitory receptor CD300a on $CCR3^+$ cells: a new tool for anti-asthmatic treatment (Leung et al). 2006;118:983 (The editors' choice)

MCP-1; *see* Monocyte chemoattractant protein-1

Measles-mumps-rubella vaccine
Evidence against measles immunization as a cause of pervasive neurologic disorders in childhood (Zweiman and Rothenberg). 2006;118:1195 (Beyond our pages)

Membrane proteins
Fungal zymosan induces leukotriene production by human mast cells through a dectin-1–dependent mechanism (Olynych et al). 2006;118:837-43

Metals
The metal binding site of the major house dust mite allergen Der p 1 (Meno et al). 2006;118:971 (Correspondence)

Methyltransferases
Azathioprine therapy of severe atopic dermatitis in adults (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)

Microarray analysis
The genetics of atopic dermatitis (Morar et al). 2006;118:24-34 (Review); (Morar et al) 2006;118: 24-34. Correction. 2006;118:559

Mites
Cat and dust mite allergen levels in European homes (Leung et al). 2006;118:542 (The editors' choice)
Distribution and determinants of house dust mite allergens in Europe: the European Community Respiratory Health Survey II (Zock et al). 2006;118:682-90
Does allergen specific immunotherapy represent a therapeutic option for patients with atopic dermatitis? (Bussmann et al). 2006;118:1292-8 (Review)
Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens (Brandt et al). 2006;118:420-7
A failed trial of primary prevention of atopy (Leung et al). 2006;118:2 (The editors' choice)
House dust mite allergen hierarchy defined (Leung et al). 2006;118:294 (The editors' choice)
IgE and IgG anti-house dust mite specificities in allergic disease (Hales et al). 2006;118:361-7
The metal binding site of the major house dust mite allergen Der p 1 (Meno et al). 2006;118:971 (Correspondence)
Mite penetration of different types of material claimed as mite proof by the Siriraj chamber method (Mahakittikun et al). 2006;118:1164-8
Prevention of asthma during the first 5 years of life: a randomized controlled trial (Marks et al). 2006;118:53-61
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Daschner). 2006;118:968 (Correspondence); (Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)
Successful management of mite-allergic asthma with modified extracts of *Dermatophagoides pteronyssinus* and *Dermatophagoides farinae* in a double-blind, placebo-controlled study (Garcia-Robaina et al). 2006;118:1026-32

Monoclonal antibodies
Biologic immune modifiers: Trials and tribulations—are we there yet? (Ballow). 2006;118:1209-15 (Review)
Blockade of asthma by modifying costimulatory signaling (Zweiman and Rothenberg). 2006;118: 292 (Beyond our pages)
Direct evidence for a critical role of CD30 in the development of allergic asthma (Polte et al). 2006;118:942-8
Susceptibility of pediatric HIV-1 isolates to recombinant CD4-IgG_2 (PRO 542) and humanized mAb to the chemokine receptor CCR5 (PRO 140) (Shearer et al). 2006;118:518-21 (Letters to the editor)

Monocyte chemoattractant protein-1
Changes in specific IgE and IgG and monocyte chemoattractant protein-1 in workers with occupational asthma caused by diisocyanates and removed from exposure (Malo et al). 2006;118: 530-3 (Letters to the editor)
MCP-1 in obesity (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)

Monocyte chemoattractant proteins
Chemokine expression in allergic diseases (Fiset and Hamid). 2006;118:536-8 (Images in allergy and immunology)

Montelukast
Effect of montelukast on exhaled leukotriene E_4 in asthmatic children (Leung et al). 2006;118:293 (The editors' choice)
Effects of a leukotriene receptor antagonist on exhaled leukotriene E_4 and prostanoids in children with asthma (Montuschi et al). 2006;118:347-53
Montelukast regulates eosinophil protease activity through a leukotriene-independent mechanism (Langlois et al). 2006;118:113-9
Urine leukotriene E_4 levels are associated with decreased pulmonary function in children with persistent airway obstruction (Rabinovitch et al). 2006;118:635-40

Multiple chemical sensitivities
Multiple chemical sensitivities: a systematic review of provocation studies (Das-Munshi et al). 2006;118: 1257-64 (Review)

Mumps
Mumps resurgence in the United States (Kancherla and Hanson). 2006;118:938-41 (Review)

Mumps vaccine
Mumps resurgence in the United States (Kancherla and Hanson). 2006;118:938-41 (Review)

Mutation
First case of homozygous C1 inhibitor deficiency (Blanch et al). 2006;118:1330-5
Genetic basis of allergy linked to skin protein (Zweiman and Rothenberg). 2006;118:292 (Beyond our pages)
Mycotoxins
Adverse reactions to fungal metabolic products in mold-contaminated areas (Goldstein). 2006;118: 760-1 (Correspondence)
The medical effects of mold exposure (Wood and Bush). 2006;118:767-8 (Letter reply)
Position paper on molds is seriously flawed (Marinkovich). 2006;118:761-2 (Correspondence)
Respirable trichothecene mycotoxins can be demonstrated in the air of *Stachybotrys chartarum*–contaminated buildings (Straus and Wilson). 2006;118:760 (Correspondence)

N

Nafamostat mesilate
Serine protease inhibitors nafamostat mesilate and gabexate mesilate attenuate allergen-induced airway inflammation and eosinophilia in a murine model of asthma (Chen et al). 2006;118:105-12
Nasal mucosa
Analysis of gene expression profiles of normal human nasal mucosa and nasal polyp tissues by SAGE (Lee et al). 2006;118:134-42
IL-13 is essential to the late-phase response in allergic rhinitis (Miyahara et al). 2006;118:1110-6
Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33
Localization of nerve growth factor and its receptors in the nasal mucosa (Leung et al). 2006;118:294 (The editors' choice)
The role of allergic rhinitis in nasal responses to sudden temperature changes (Graudenz et al). 2006;118:1126-32
Nasal obstruction
Assessment of (Meltzer et al). 2006;118:S49
Nasal polyps
Analysis of gene expression profiles of normal human nasal mucosa and nasal polyp tissues by SAGE (Lee et al). 2006;118:134-42
Clinical and pathologic perspectives on aspirin sensitivity and asthma (Stevenson and Szczeklik). 2006;118:773-86 (Review)
Nasal IL-5 levels determine the response to anti–IL-5 treatment in patients with nasal polyps (Gevaert et al). 2006;118:1133-41
Short course of systemic corticosteroids in sinonasal polyposis: a double-blind, randomized, placebo-controlled trial with evaluation of outcome measures (Hissaria et al). 2006;118:128-33
Nasal priming
Nasal priming (Sahin-Yilmaz et al). 2006;118:1190-1 (The allergy archives)
Nasal tract
Epicutaneous aeroallergen exposure induces systemic T_H2 immunity that predisposes to allergic nasal responses (Akei et al). 2006;118:62-9
Natural killer cells; *see* Killer cells, natural
Nebulizers and inhalers
Another tale of poor patient adherence with controller therapy (Leung et al). 2006;118:771 (The editors' choice)
Mild persistent asthma: Is any treatment needed? (Lazarus). 2006;118:805-8 (Review)
Nerve growth factors
Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33
Localization of nerve growth factor and its receptors in the nasal mucosa (Leung et al). 2006;118:294 (The editors' choice)
Pulmonary distribution, regulation, and functional role of Trk receptors in a murine model of asthma (Nassenstein et al). 2006;118:597-605
Nerve tissue proteins
Fungal zymosan induces leukotriene production by human mast cells through a dectin-1–dependent mechanism (Olynych et al). 2006;118:837-43
Neuroimmunomodulation
The role of the nervous system in rhinitis (Sarin et al). 2006;118:999-1014 (Review)
Neurons
Pulmonary distribution, regulation, and functional role of Trk receptors in a murine model of asthma (Nassenstein et al). 2006;118:597-605
The role of the nervous system in rhinitis (Sarin et al). 2006;118:999-1014 (Review)
Neuropeptides
Purification of a novel aminopeptidase from the pollen of *Parietaria judaica* that alters epithelial integrity and degrades neuropeptides (Cortes et al). 2006;118:878-84
The role of the nervous system in rhinitis (Sarin et al). 2006;118:999-1014 (Review)
Neurotrophins; *see* Nerve growth factors
Neutrophils
Ligation of intercellular adhesion molecule 3 induces apoptosis of human blood eosinophils and neutrophils (Kessel et al). 2006;118:831-6
NF-kappa B
Hyperresponsive T_H2 cells with enhanced nuclear factor-κB activation induce atopic dermatitis–like skin lesions in Nishiki-nezumi Cinnamon/Nagoya mice (Tenda et al). 2006;118:725-33
Peroxisome proliferator activated receptor-γ modulates reactive oxygen species generation and activation of nuclear factor-κB and hypoxia-inducible factor 1α in allergic airway disease of mice (Lee et al). 2006;118:120-7
Nicotinamide adenine dinucleotide phosphate
Subpollen particles: carriers of allergenic proteins and oxidases (Bacsi et al). 2006;118:844-50

Nitric oxide
Airway inflammation assessed by invasive and noninvasive means in severe asthma: eosinophilic and noneosinophilic phenotypes (Lemière et al). 2006;118:1033-9
Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)
Biomarker-driven care in asthma: Are we there? (Deykin). 2006;118:565-8 (Review)
Buffering airway acid decreases exhaled nitric oxide in asthma (Gaston et al). 2006;118:817-22
Correlation between peripheral blood T-cell profiles and airway inflammation in atopic asthma (Shirai et al). 2006;118:622-6
Effects of a leukotriene receptor antagonist on exhaled leukotriene E_4 and prostanoids in children with asthma (Montuschi et al). 2006;118:347-53
Features of severe asthma in school-age children: atopy and increased exhaled nitric oxide (Fitzpatrick et al). 2006;118:1218-25
Noninvasive methods for the detection of upper and lower airway inflammation in atopic children (Profita et al). 2006;118:1068-74
Swimming pool attendance and exhaled nitric oxide in children (Carraro et al). 2006;118:958-60 (Letters to the editor)

Nitric oxide, exhaled
Biomarker for asthma assessment (Bukstein et al). 2006;118:S11
Biomarker for asthma diagnosis (Bukstein et al). 2006;118:S13
Tssue levels of inducible nitric oxide synthase and (Meltzer et al). 2006;118:S59

Nitric oxide synthase type III
The interaction of *IL1A* and endothelial nitric oxide synthase polymorphisms is associated with the degree of atopy (Pessi et al). 2006;118:284-6 (Letters to the editor)

NSAIDs; *see* Anti-inflammatory agents, non-steroidal

Nucleosomes
New DNA code identified (Zweiman and Rothenberg). 2006;118:1196 (Beyond our pages)

Nut hypersensitivity
Clinical reactivity to hazelnut in children: association with sensitization to birch pollen or nuts? (Flinterman et al). 2006;118:1186-8 (Letters to the editor)
Cloning and characterization of profilin (Pru du 4), a cross-reactive almond *(Prunus dulcis)* allergen (Tawde et al). 2006;118:915-22
Differential allergen sensitization patterns in chestnut allergy with or without associated latex-fruit syndrome (Sánchez-Monge et al). 2006;118:705-10

Nutrition
Early-life supplementation of vitamins A and D, in water-soluble form or in peanut oil, and allergic diseases during childhood (Kull et al). 2006;118:1299-304

O

Obesity
Adult obesity, farm childhood, and their effect on allergic sensitization (Radon and Schulze). 2006;118:1279-83
Central obesity is associated with nonatopic but not atopic asthma in a representative population sample (Appleton et al). 2006;118:1284-91
Does the hygiene hypothesis only hold true for lean people? (Leung et al). 2006;118:1197 (The editors' choice)
MCP-1 in obesity (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)

Occupational exposure
Biophysical determinants of toluene diisocyanate antigenicity associated with exposure and asthma (Ye et al). 2006;118:885-91
Changes in specific IgE and IgG and monocyte chemoattractant protein-1 in workers with occupational asthma caused by diisocyanates and removed from exposure (Malo et al). 2006;118:530-3 (Letters to the editor)
Detection of novel occupational wood allergens in locust wood dust *(Robinia pseudoacacia L.)* (Kespohl et al) 2006;118:522-4. Correction. 2006;118:1189
Detection of novel occupational wood allergens in locust wood dust (*Robinia pseudoacacia* L.) (Kespohl et al). 2006;118:522-4 (Letters to the editor)
Natural rubber latex allergy among health care workers: a systematic review of the evidence (Bousquet et al). 2006;118:447-54
Rapid detection of fungal α-amylase in the work environment with a lateral flow immunoassay (Bogdanovic et al). 2006;118:1157-63
Sensitization to *Anisakis simplex:* inhalant allergy versus gastroallergic anisakiasis (Daschner). 2006;118:968 (Correspondence); Nieuwenhuizen et al). 2006;118:968-9 (Letter reply)

Oligodeoxynucleotides
Redirection of allergen-specific T_H2 responses by a modified adenine through Toll-like receptor 7 interaction and IL-12/IFN release (Filì et al). 2006;118:511-7

Oligonucleotide array sequence analysis
Immune cell transcriptome datasets reveal novel leukocyte subset–specific genes and genes associated with allergic processes (Liu et al). 2006;118:496-503
A network-based analysis of the late-phase reaction of the skin (Benson et al). 2006;118:220-5

Oligonucleotides
Modulation of immunogenicity and allergenicity by controlling the number of immunostimulatory oligonucleotides linked to Amb a 1 (Higgins et al). 2006;118:504-10

Opioid-related disorders
Continuous hydromorphone infusion for opioid intolerance (Tcheurekdjian and Gundling). 2006;118:282-4 (Letters to the editor)
Oral allergy syndrome
Clinical reactivity to hazelnut in children: association with sensitization to birch pollen or nuts? (Flinterman et al). 2006;118:1186-8 (Letters to the editor)
Oral hygiene
Peanut allergen exposure through saliva: assessment and interventions to reduce exposure (Maloney et al). 2006;118:719-24
Outcome assessment
Anti–IL-5 is a promising therapy for eosinophilic esophagitis (Leung et al). 2006;118:1197 (The editors' choice)
Anti–IL-5 (mepolizumab) therapy for eosinophilic esophagitis (Stein et al). 2006;118:1312-9
Azathioprine therapy of severe atopic dermatitis in adults (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)
Best tool determination (Meltzer et al). 2006;118:S49
Bronchial thermoplasty for asthma (Zweiman and Rothenberg). 2006;118:981 (Beyond our pages)
Bronchial thermoplasty—a worthwhile therapy in asthma (Zweiman and Rothenberg). 2006;118:291 (Beyond our pages)
Buffering airway acid decreases exhaled nitric oxide in asthma (Gaston et al). 2006;118:817-22
Control of airway inflammation maintained at a lower steroid dose with 100/50 μg of fluticasone propionate/salmeterol (Jarjour et al). 2006;118: 44-52
The effect of telithromycin treatment in acute asthma exacerbations (Zweiman and Rothenberg). 2006;118:539-40 (Beyond our pages)
Efficacy and safety of ciclesonide nasal spray for the treatment of seasonal allergic rhinitis (Ratner et al). 2006;118:1142-8
Eosinophilic bronchitis and asthma with sputum eosinophilia are different entities (Agarwal and Gupta). 2006;118:969-70 (Correspondence); (Kelly et al). 2006;118:970-1 (Letter reply)
Immunologic response to administration of standardized dog allergen extract at differing doses (Lent et al). 2006;118:1249-56
Multiple chemical sensitivities: a systematic review of provocation studies (Das-Munshi et al). 2006;118: 1257-64 (Review)
Nasal IL-5 levels determine the response to anti–IL-5 treatment in patients with nasal polyps (Gevaert et al). 2006;118:1133-41
Normal lung function in children with mild to moderate persistent asthma well controlled by inhaled corticosteroids (de Jong et al). 2006;118: 280-2 (Letters to the editor)
Oral phenylephrine: an ineffective replacement for pseudoephedrine (Hendeles & Hatton). 2006;118: 279-80 (Letters to the editor)
Persistence, adherence, and effectiveness of combination therapy among adult patients with asthma (Marceau et al). 2006;118:574-81
Prevention of asthma during the first 5 years of life: a randomized controlled trial (Marks et al). 2006;118:53-61
Short course of systemic corticosteroids in sinonasal polyposis: a double-blind, randomized, placebo-controlled trial with evaluation of outcome measures (Hissaria et al). 2006;118:128-33
Ovalbumin
Adiponectin attenuates allergen-induced airway inflammation and hyperresponsiveness in mice (Shore et al). 2006;118:389-95
Experimental gastrointestinal allergy enhances pulmonary responses to specific and unrelated allergens (Brandt et al). 2006;118:420-7
Oxidases
Subpollen particles: carriers of allergenic proteins and oxidases (Bacsi et al). 2006;118:844-50
Oxidative stress
Genes and oxidative stress in childhood asthma (Leung et al). 2006;118:984 (The editors' choice)
Oxidative stress and genetic and epidemiologic determinants of oxidant injury in childhood asthma (Ercan et al). 2006;118:1097-1104

P

Parvalbumin
Parvalbumin is not responsible for cross-reactivity between tuna and marlin: a case report (Kondo et al). 2006;118:1382-3 (Letters to the editor)
Patient care
Atopic dermatitis (Boguniewicz et al). 2006;118:40-3 (Editorial)
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al) 2006;118:152-69. Correction. 2006;118:724
Diagnosis and treatment of atopic dermatitis in children and adults: European Academy of Allergology and Clinical Immunology/American Academy of Allergy, Asthma and Immunology/PRACTALL Consensus Report (Akdis et al). 2006;118:152-69
Patient perspectives on the management of atopic dermatitis (Zuberbier et al). 2006;118:226-32
Patient compliance
Adherence and persistence with fluticasone propionate/salmeterol combination therapy (Bender et al). 2006;118:899-904
Another tale of poor patient adherence with controller therapy (Leung et al). 2006;118:771 (The editors' choice)
Patient satisfaction
Patient perspectives on the management of atopic dermatitis (Zuberbier et al). 2006;118:226-32

Patient selection
Selection of patients for aspirin desensitization treatment (Stevenson and Simon). 2006;118:801-4 (Editorial)
Paucity of lymph node T cell
Enhanced allergen-induced airway inflammation in paucity of lymph node T cell *(plt)* mutant mice (Grinnan et al). 2006;118:1234-41
Peanut hypersensitivity
Accidental ingestions in children with peanut allergy (Yu et al). 2006;118:466-72
Human subjects without peanut allergy demonstrate T cell–dependent, T_H2-biased, peanut-specific cytokine and chemokine responses independent of T_H1 expression (Thottingal et al). 2006;118:905-14
Peanut allergen exposure through saliva: assessment and interventions to reduce exposure (Maloney et al). 2006;118:719-24
Predictive value of skin prick tests using recombinant allergens for diagnosis of peanut allergy (Astier et al). 2006;118:250-6
Peptidoglycan
Fungal zymosan induces leukotriene production by human mast cells through a dectin-1–dependent mechanism (Olynych et al). 2006;118:837-43
Periostin
Periostin: A novel component of subepithelial fibrosis of bronchial asthma downstream of IL-4 and IL-13 signals (Takayama et al). 2006;118:98-104
Peroxisome proliferator activated receptor (PPAR)-γ
Peroxisome proliferator activated receptor-γ modulates reactive oxygen species generation and activation of nuclear factor-κB and hypoxia-inducible factor 1α in allergic airway disease of mice (Lee et al). 2006;118:120-7
Pets; *see* Animals, domestic
Phenotypes
Polymorphisms in the novel gene acyloxyacyl hydroxylase *(AOAH)* are associated with asthma and associated phenotypes (Barnes et al). 2006;118:70-7
Phenylephrine
Oral phenylephrine: an ineffective replacement for pseudoephedrine (Hendeles & Hatton). 2006;118:279-80 (Letters to the editor)
Phosphodiesterase inhibitors
A new trick for an old dog? (Leung et al). 2006;118:541 (The editors' choice)
A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57
Phosphoinositide 3-kinase-delta
Phosphoinositide 3-kinase-δ inhibitor reduces vascular permeability in a murine model of asthma (Lee et al). 2006;118:403-9
Phosphopyruvate hydratase
Identification of α-enolase as an autoantigen associated with severe asthma (Nahm et al). 2006;118:376-81
Pneumococcal vaccine
Validation of current joint American Academy of Allergy, Asthma and Immunology and ACAAI guidelines for antibody response to the 23-valent pneumococcal vaccine using a population of HIV-infected children (Kamchaisatian et al). 2006;118:1336-41
Pollen
Cooking birch pollen–related food: divergent consequences for IgE- and T cell–mediated reactivity *in vitro* and *in vivo* (Bohle et al). 2006;118:242-9
Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy (Bauer et al). 2006;118:269-76
Pollen allergy
Clinical reactivity to hazelnut in children: association with sensitization to birch pollen or nuts? (Flinterman et al). 2006;118:1186-8 (Letters to the editor)
Cloning and characterization of profilin (Pru du 4), a cross-reactive almond *(Prunus dulcis)* allergen (Tawde et al). 2006;118:915-22
Further evidence for sublingual immunotherapy safety and efficacy (Leung et al). 2006;118:293 (The editors' choice)
John T. Connell (Dworetzky). 2006;118:1192-4 (The allergy archives)
Purification of a novel aminopeptidase from the pollen of *Parietaria judaica* that alters epithelial integrity and degrades neuropeptides (Cortes et al). 2006;118:878-84
Polymorphism
β-Adrenergic receptor polymorphism and responses to salmeterol (Zweiman and Rothenberg). 2006;118:539 (Beyond our pages)
Association between farm exposure and atopy, according to the CD14 C-159T polymorphism (Leynaert et al). 2006;118:658-65
Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34
Does CD14C-159T modulate the effect of farm exposure on allergy? (Leung et al). 2006;118:542 (The editors' choice)
Fine mapping and positional candidate studies of chromosome 5p13 identify multiple asthma susceptibility loci (Kurz et al). 2006;118:396-402
A novel innate immunity gene confers risk of allergic disease (Leung et al). 2006;118:1 (The editors' choice)
The *PTGDR* gene is not associated with asthma in 3 ethnically diverse populations (Tsai et al). 2006;118:1242-8
Salmeterol response is not affected by β_2-adrenergic receptor genotype in subjects with persistent asthma (Bleecker et al). 2006;118:809-16

Single nucleotide polymorphisms of the *IL18* gene are associated with atopic eczema (Novak et al) 2005;115:828-33. Correction. 2006;118:1319

Polymorphism, single nucleotide

The interaction of *IL1A* and endothelial nitric oxide synthase polymorphisms is associated with the degree of atopy (Pessi et al). 2006;118:284-6 (Letters to the editor)

Lack of association between toll-like receptor 2 and toll-like receptor 4 polymorphisms and atopic eczema (Weidinger et al). 2006;118:277-9 (Letters to the editor)

Polymorphisms in the novel gene acyloxyacyl hydroxylase *(AOAH)* are associated with asthma and associated phenotypes (Barnes et al). 2006;118:70-7

Polypoid disease, nasal

Staging of (Meltzer et al). 2006;118:S50

Porphyromonas gingivalis

Could infection with oral pathogens be beneficial for allergic disease? (Leung et al). 2006;118:983 (The editors' choice)

Oral pathogens and allergic disease: results from the Third National Health and Nutrition Examination Survey (Arbes et al). 2006;118:1169-75

Prednisolone

Short course of systemic corticosteroids in sinonasal polyposis: a double-blind, randomized, placebo-controlled trial with evaluation of outcome measures (Hissaria et al). 2006;118:128-33

Prenatal exposure delayed effects

Prenatal initiation of endotoxin airway exposure prevents subsequent allergen-induced sensitization and airway inflammation in mice (Gerhold et al). 2006;118:666-73

Primary health care

Is the allergic rhinitis and its impact on asthma classification useful in daily primary care practice? (Hoecke et al). 2006;118:758-9 (Letters to the editor)

Priming effect

John T. Connell (Dworetzky). 2006;118:1192-4 (The allergy archives)

Nasal priming (Sahin-Yilmaz et al). 2006;118:1190-1 (The allergy archives)

Profilins

Cloning and characterization of profilin (Pru du 4), a cross-reactive almond *(Prunus dulcis)* allergen (Tawde et al). 2006;118:915-22

Reduced allergenicity of tomato fruits harvested from Lyc e 1-silenced transgenic tomato plants (Le et al). 2006;118:1176-83

Proteases

Montelukast regulates eosinophil protease activity through a leukotriene-independent mechanism (Langlois et al). 2006;118:113-9

Protein array analysis

Airway cytokine expression measured by means of protein array in exhaled breath condensate: correlation with physiologic properties in asthmatic patients (Matsunaga et al). 2006;118:84-90

Protein kinases

Fungal zymosan induces leukotriene production by human mast cells through a dectin-1–dependent mechanism (Olynych et al). 2006;118:837-43

Identification of the Syk kinase inhibitor R112 by a human mast cell screen (Rossi et al). 2006;118:749-55

Syk kinase inhibition for allergic rhinitis (Leung et al). 2006;118:541 (The editors' choice)

Proteins

Subpollen particles: carriers of allergenic proteins and oxidases (Bacsi et al). 2006;118:844-50

Proto-oncogene proteins c-jun

Systemic glucocorticoid reduces bronchial mucosal activation of activator protein 1 components in glucocorticoid-sensitive but not glucocorticoid-resistant asthmatic patients (Loke et al). 2006;118:368-75

Psoriasis

Enhanced expression levels of IL-31 correlate with IL-4 and IL-13 in atopic and allergic contact dermatitis (Neis et al). 2006;118:930-7

Q

Quality of life

Disease-specific instruments (Meltzer et al). 2006;118:S48

Efficacy and safety of ciclesonide nasal spray for the treatment of seasonal allergic rhinitis (Ratner et al). 2006;118:1142-8

Global instruments (Meltzer et al). 2006;118:S48

Is the allergic rhinitis and its impact on asthma classification useful in daily primary care practice? (Hoecke et al). 2006;118:758-9 (Letters to the editor)

Questionnaires and symptom scales (Meltzer et al). 2006;118:S48

R

R112

Identification of the Syk kinase inhibitor R112 by a human mast cell screen (Rossi et al). 2006;118:749-55

Radiologic imaging

Overview (Meltzer et al). 2006;118:S50

Ragweed allergy

Modulation of immunogenicity and allergenicity by controlling the number of immunostimulatory oligonucleotides linked to Amb a 1 (Higgins et al). 2006;118:504-10

Subpollen particles: carriers of allergenic proteins and oxidases (Bacsi et al). 2006;118:844-50

Reactive oxygen species

Peroxisome proliferator activated receptor-γ modulates reactive oxygen species generation and

activation of nuclear factor-κB and hypoxia-inducible factor 1α in allergic airway disease of mice (Lee et al). 2006;118:120-7

Receptors, adrenergic, beta
β-Adrenergic receptor polymorphism and responses to salmeterol (Zweiman and Rothenberg). 2006;118: 539 (Beyond our pages)
Salmeterol response is not affected by β_2-adrenergic receptor genotype in subjects with persistent asthma (Bleecker et al). 2006;118:809-16

Receptors, antigen, T-cell
Epigallocatechin gallate, the main polyphenol in green tea, binds to the T-cell receptor, CD4: potential for HIV-1 therapy (Williamson et al). 2006;118: 1369-74

Receptors, CCR5
Susceptibility of pediatric HIV-1 isolates to recombinant CD4-IgG_2 (PRO 542) and humanized mAb to the chemokine receptor CCR5 (PRO 140) (Shearer et al). 2006;118:518-21 (Letters to the editor)

Receptors, chemokine
Chemokines and their receptors in allergic disease (Pease and Williams). 2006;118:305-18 (Review)
Understanding the ingenuity of chemokines and their receptors (Bochner). 2006;118:321-3 (Editorial)

Receptors, complement
New complement receptor on Kupffer cells identified (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)

Receptors, IgE
Initial FcεRI-mediated signal strength plays a key role in regulating basophil signaling and deactivation (Gibbs et al). 2006;118:1060-7

Receptors, immunologic
Reversal of airway inflammation and remodeling in asthma by a bispecific antibody fragment linking CCR3 to CD300a (Munitz et al). 2006;118:1082-9
Targeting the inhibitory receptor CD300a on $CCR3^+$ cells: a new tool for anti-asthmatic treatment (Leung et al). 2006;118:983 (The editors' choice)

Receptors, interleukin
IL-21 and T_H2 responses (Zweiman and Rothenberg). 2006;118:982 (Beyond our pages)
IL-13 is essential to the late-phase response in allergic rhinitis (Miyahara et al). 2006;118:1110-6
IL-13 receptor α 2: a regulator of IL-13 and IL-4 signal transduction in primary human fibroblasts (Andrews et al). 2006;118:858-65
IL-13α2: a tail of two cytokines (Leung et al). 2006;118:772 (The editors' choice)

Receptors, interleukin-4
Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34

Receptors, leukotriene
The role of leukotrienes in airway inflammation (Ogawa and Calhoun). 2006;118:789-98 (Review)

Receptors, leukotrienes
Montelukast regulates eosinophil protease activity through a leukotriene-independent mechanism (Langlois et al). 2006;118:113-9

Receptors, nerve growth factor
Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33
Localization of nerve growth factor and its receptors in the nasal mucosa (Leung et al). 2006;118:294 (The editors' choice)

Receptors, prostaglandin
The *PTGDR* gene is not associated with asthma in 3 ethnically diverse populations (Tsai et al). 2006;118:1242-8

Receptors, trkA
Localization of nerve growth factor and its receptors in the human nasal mucosa (Wu et al). 2006;118: 428-33
Pulmonary distribution, regulation, and functional role of Trk receptors in a murine model of asthma (Nassenstein et al). 2006;118:597-605

Receptors, trkB
Pulmonary distribution, regulation, and functional role of Trk receptors in a murine model of asthma (Nassenstein et al). 2006;118:597-605

Receptors, trkC
Pulmonary distribution, regulation, and functional role of Trk receptors in a murine model of asthma (Nassenstein et al). 2006;118:597-605

Recombinant proteins
Biologic immune modifiers: Trials and tribulations—are we there yet? (Ballow). 2006;118:1209-15 (Review)
Predictive value of skin prick tests using recombinant allergens for diagnosis of peanut allergy (Astier et al). 2006;118:250-6

Remodeling
New research on assessment of (Bukstein et al). 2006;118:S11

Replicon
Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization (Gabler et al). 2006;118: 734-41

Resistin
New pathway for insulin signaling proteins in innate intestinal immunity identified (Leung et al). 2006;118:2 (The editors' choice)
Resistin-like molecule β regulates innate colonic function: Barrier integrity and inflammation susceptibility (Hogan et al). 2006;118: 257-68

Respiratory function tests
Buffering airway acid decreases exhaled nitric oxide in asthma (Gaston et al). 2006;118:817-22
Small airways response to naturalistic cat allergen exposure in subjects with asthma (Zeidler et al). 2006;118:1075-81

Respiratory syncytial virus
Respiratory viral infections drive chemokine expression and exacerbate the asthmatic response (Schaller et al). 2006;118:295-302 (Review)
Rhinitis
Amphotericin B nasal lavages: not a solution for patients with chronic rhinosinusitis (Ebbens et al). 2006;118:1149-56
Are antibiotics effective for acute purulent rhinitis? (Zweiman and Rothenberg). 2006;118:1389 (Beyond our pages)
Associations of a novel *IL4RA* polymorphism, Ala57Thr, in Greenlander Inuit (Khoo et al). 2006;118:627-34
Bacterial pathogens (Meltzer et al). 2006;118:S54
Challenge with environmental tobacco smoke exacerbates allergic airway disease in human beings (Diaz-Sanchez et al). 2006;118:441-6
Clinical trials development (Meltzer et al). 2006;118:S17
Endotoxin exposure, wheezing, and rash in infancy in a New Zealand birth cohort (Gillespie et al). 2006;118:1265-70
Fungal pathogens (Meltzer et al). 2006;118:S56
The lower airway pathology of rhinitis (Ciprandi and Cirillo). 2006;118:1105-9 (Review)
Microbiology of (Meltzer et al). 2006;118:S54
Pharmacologic rationale for treating allergic and nonallergic rhinitis (Greiner and Meltzer). 2006;118:985-96 (Review)
Radiologic imaging and scoring systems (Meltzer et al). 2006;118:S50
Respiratory virus pathogens (Meltzer et al). 2006;118:S57
The role of airborne mold in chronic rhinosinusitis (Ponikau and Sherris). 2006;118:762-3 (Correspondence)
The role of the nervous system in rhinitis (Sarin et al). 2006;118:999-1014 (Review)
Sinus CT scoring systems (Meltzer et al). 2006;118:S52
Rhinitis, allergic
Adult obesity, farm childhood, and their effect on allergic sensitization (Radon and Schulze). 2006;118:1279-83
An essential role for dendritic cells in human and experimental allergic rhinitis (KleinJan et al). 2006;118:1117-25
Association between farm exposure and atopy, according to the CD14 C-159T polymorphism (Leynaert et al). 2006;118:658-65
Does CD14C-159T modulate the effect of farm exposure on allergy? (Leung et al). 2006;118:542 (The editors' choice)
IL-13 is essential to the late-phase response in allergic rhinitis (Miyahara et al). 2006;118:1110-6
Is the allergic rhinitis and its impact on asthma classification useful in daily primary care practice? (Hoecke et al). 2006;118:758-9 (Letters to the editor)
The role of allergic rhinitis in nasal responses to sudden temperature changes (Graudenz et al). 2006;118:1126-32
Syk kinase inhibition for allergic rhinitis (Leung et al). 2006;118:541 (The editors' choice)
Targeting dendritic cells cures allergic rhinitis (Leung et al). 2006;118:984 (The editors' choice)
Rhinitis, allergic, seasonal; *see* Hay fever
Rhinitis medicamentosa
Rhinitis medicamentosa and the stuffy nose (Lockey). 2006;118:1017-8 (Editorial)
Rhinoconjunctivitis
Efficacy and safety of sublingual immunotherapy with grass allergen tablets for seasonal allergic rhinoconjunctivitis (Dahl et al). 2006;118:434-40
Rhinosinusitis; *see* Rhinitis; Sinusinitis
Rhinosinusitis, acute
Radiologic imaging (Meltzer et al). 2006;118:S51
Rhinosinusitis, acute, presumed bacterial
Endoscopic diagnosis of (Meltzer et al). 2006;118:S50
Inclusion criteria, techniques, and outcome scoring systems (Meltzer et al). 2006;118:S53
Rhinosinusitis, chronic
Biomarkers of (Meltzer et al). 2006;118:S57
Direct biomarkers of disease activity (Meltzer et al). 2006;118:S58
Inclusion criteria, techniques, and outcome scoring systems (Meltzer et al). 2006;118:S54
Nasal endoscopy and staging of (Meltzer et al). 2006;118:S49
Radiologic imaging (Meltzer et al). 2006;118:S50
Scoring systems (Meltzer et al). 2006;118:S52
Rhinosinusitis, chronic, with nasal polyps
Radiologic imaging (Meltzer et al). 2006;118:S51
Rhinosinusitis, chronic, without nasal polyps
Radiologic imaging (Meltzer et al). 2006;118:S51
Rhinosinusitis, fungal, allergic, classic
Inclusion criteria, techniques, and outcome scoring systems (Meltzer et al). 2006;118:S54
Radiologic imaging (Meltzer et al). 2006;118:S51
Rhinovirus
Human rhinovirus in bronchial epithelium of infants with recurrent respiratory symptoms (Malmström et al). 2006;118:591-6
Respiratory viral infections drive chemokine expression and exacerbate the asthmatic response (Schaller et al). 2006;118:295-302 (Review)
Rhinoviruses in the pathogenesis of asthma: the bronchial epithelium as a major disease target (Holgate). 2006;118:587-90 (Editorial)
Risk assessment
Early-life supplementation of vitamins A and D, in water-soluble form or in peanut oil, and allergic diseases during childhood (Kull et al). 2006;118:1299-304

Preterm delivery and asthma: a systemic review and meta-analysis (Jaakkola et al). 2006;118:823-30

Risk factors

A novel innate immunity gene confers risk of allergic disease (Leung et al). 2006;118:1 (The editors' choice)

Predicting episodes of poor asthma control in treated patients with asthma (McCoy). 2006;118: 1226-33

Risk factors for exacerbations of asthma (Leung et al). 2006;118:1198 (The editors' choice)

Roflumilast; *see* Phosphodiesterase inhibitors

Rural health

Adult obesity, farm childhood, and their effect on allergic sensitization (Radon and Schulze). 2006;118:1279-83

S

Saliva

Peanut allergen exposure through saliva: assessment and interventions to reduce exposure (Maloney et al). 2006;118:719-24

Salmeterol

Adherence and persistence with fluticasone propionate/salmeterol combination therapy (Bender et al). 2006;118:899-904

β-Adrenergic receptor polymorphism and responses to salmeterol (Zweiman and Rothenberg). 2006;118: 539 (Beyond our pages)

Another tale of poor patient adherence with controller therapy (Leung et al). 2006;118:771 (The editors' choice)

Control of airway inflammation maintained at a lower steroid dose with 100/50 μg of fluticasone propionate/salmeterol (Jarjour et al). 2006;118: 44-52

Salmeterol response is not affected by β_2-adrenergic receptor genotype in subjects with persistent asthma (Bleecker et al). 2006;118: 809-16

Samuelsson, Bengt

Bengt Samuelsson and the discovery of the leukotrienes (Serhan). 2006;118:972-6 (The allergy archives)

Seasonal allergic rhinitis; *see* Hay fever

Sensitivity and specificity

The atopy patch test in the diagnostic workup of suspected food-related symptoms in children (Mehl et al). 2006;118:923-9

Hyperosmolar conjunctival provocation for the evaluation of nonspecific hyperreactivity in healthy patients and patients with allergy (Sacchetti et al). 2006;118:872-7

Validation of current joint American Academy of Allergy, Asthma and Immunology and ACAAI guidelines for antibody response to the 23-valent pneumococcal vaccine using a population of HIV-infected children (Kamchaisatian et al). 2006;118:1336-41

Sensitization

Adult obesity, farm childhood, and their effect on allergic sensitization (Radon and Schulze). 2006;118:1279-83

Apparent sensitization to latex through swim caps (Kelso et al). 2006;118:524-5 (Letters to the editor)

Apple allergy across Europe: how allergen sensitization profiles determine the clinical expression of allergies to plant foods (Fernández-Rivas et al). 2006;118:481-8

Clinical reactivity to hazelnut in children: association with sensitization to birch pollen or nuts? (Flinterman et al). 2006;118:1186-8 (Letters to the editor)

Differential allergen sensitization patterns in chestnut allergy with or without associated latex-fruit syndrome (Sánchez-Monge et al). 2006;118: 705-10

Effects of established allergen sensitization on immune and airway responses after secondary allergen sensitization (Blumchen et al). 2006;118: 615-21

Effects of the timing of solid food introduction in infancy on the occurrence of atopic dermatitis and allergic sensitization (Zweiman & Rothenberg). 2006;118:291 (Beyond our pages)

Epicutaneous aeroallergen exposure induces systemic T_H2 immunity that predisposes to allergic nasal responses (Akei et al). 2006;118:62-9

Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization (Gabler et al). 2006;118:734-41

Loss-of-function variations within the filaggrin gene predispose for atopic dermatitis with allergic sensitizations (Weidinger et al). 2006;118:214-9; Weidinger et al) 2006;118:214-9. Correction. 2006;118:922

Natural rubber latex allergy among health care workers: a systematic review of the evidence (Bousquet et al). 2006;118:447-54

Poor sanitation and helminth infection protect against skin sensitization in Vietnamese children: a cross-sectional study (Flohr et al). 2006;118:1305-11

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Thiopurine methyltransferase; *see* Methyltransferase

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Biophysical determinants of toluene diisocyanate antigenicity associated with exposure and asthma (Ye et al). 2006;118:885-91

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A phosphodiesterase 4 inhibitor inhibits matrix protein deposition in airways *in vitro* (Burgess et al). 2006;118:649-57

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Treatment outcome; *see* Outcome assessment

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Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)

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U

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V

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Absence of detectable viremia in a perinatally HIV-1–infected teenager after discontinuation of antiretroviral therapy (Feeney et al). 2006;118:324-30 (Case study)

Vitamin A
Early-life supplementation of vitamins A and D, in water-soluble form or in peanut oil, and allergic diseases during childhood (Kull et al). 2006;118:1299-304

Vitamin D
Early-life supplementation of vitamins A and D, in water-soluble form or in peanut oil, and allergic diseases during childhood (Kull et al). 2006;118:1299-304

W

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Central obesity is associated with nonatopic but not atopic asthma in a representative population sample (Appleton et al). 2006;118:1284-91

Waist-to-hip ratio
Central obesity is associated with nonatopic but not atopic asthma in a representative population sample (Appleton et al). 2006;118:1284-91

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Recalcitrant warts, associated with natural killer cell dysfunction, treated with systemic IFN-α (Cac and Ballas). 2006;118:526-8 (Letters to the editor)

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Asthma 2005-2006: bench to bedside (Boyce). 2006;118:582-6 (Review)
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Cytokine immune response profiles differ based on gender and age (Leung et al). 2006;118:1198 (The editors' choice)
Endotoxin exposure, wheezing, and rash in infancy in a New Zealand birth cohort (Gillespie et al). 2006;118:1265-70
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Different eicosanoid profile of the hypersensitivity reactions triggered by aspirin and celecoxib in a patient with sinusitis, asthma, and urticaria (Mastalerz et al). 2006;118:957-8 (Letters to the editor)

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